

1008

# TC-PB5

US Model  
Canadian Model  
AEP Model  
UK Model  
E Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories. Noise reduction system manufactured under license from Dolby Laboratories.

## STEREO CASSETTE PLAYER

### SPECIFICATIONS

**Playback System:** 4-track 2-channel stereo  
**Fast-forward and Rewind Time:** Approx. 90 sec. (with C-60 cassette)  
**Signal-to-noise Ratio:** DOLBY NR OFF  
• With TYPE IV cassette (Sony METALLIC)  
59 dB at peak level  
• With TYPE II cassette (Sony EHF)  
57 dB at peak level  
DOLBY NR ON  
Improved by 5 dB at 1 kHz,  
10 dB above 5 kHz


**Frequency Response:** DOLBY NR OFF  
• With TYPE IV cassette (Sony METALLIC)  
20 – 19,000 Hz  
30 – 17,000 Hz ( $\pm 3$  dB)  
• With TYPE II cassette (Sony EHF)  
20 – 18,000 Hz  
30 – 16,000 Hz ( $\pm 3$  dB)  
• With TYPE I cassette (Sony HFX)  
20 – 17,000 Hz

**Wow and Flutter:** 0.05 % WRMS


**Inputs:** Microphone inputs (phone jacks)  
Sensitivity 0.4 mV ( $-65$  dB)  
For a low-impedance microphone

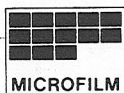
**Outputs:** Line outputs (phono jacks)  
Output level 0.435 V ( $-5$  dB) at load  
impedance 50 k $\Omega$   
Load impedance over 10k $\Omega$   
Headphone output  
Output level 77.5 mV ( $-20$  dB) at a load  
impedance of 8  $\Omega$ , with the LINE OUT/  
HEADPHONES control at MAX

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT  
À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES, LES VUES EXPLODÉES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.



# SONY

## SERVICE MANUAL

— Continued on next page —

97



# C-PB5

## GENERAL

**Power Requirements:** 120 V ac, 60 Hz (US, Canadian model)  
220 V ac, 50/60 Hz (AEP model)  
240 V ac, 50/60 Hz (UK model)  
110, 120, 220, 240 V ac ~, 50/60 Hz  
(E model)

**Power Consumption:** 13 W

**Dimensions:** Approx. 215 (w) x 105 (h) x 280 (d) mm  
(8½ (w) x 4¼ (h) x 11⅞ (d) inches)  
including projecting parts and controls

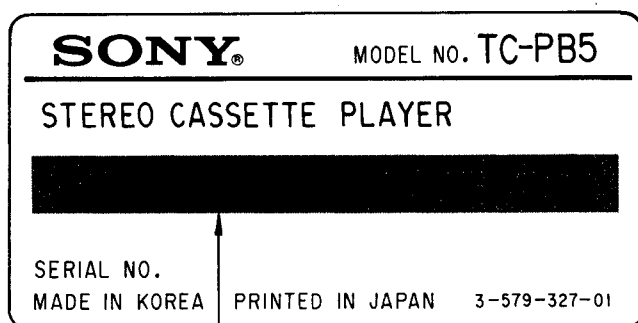
**Weight:** Approx. 3.5 kg (7 lbs 11 oz)

0dB = 0.775V

Tape Transport Mechanism Type: TCM-110V6.

## MODEL IDENTIFICATION

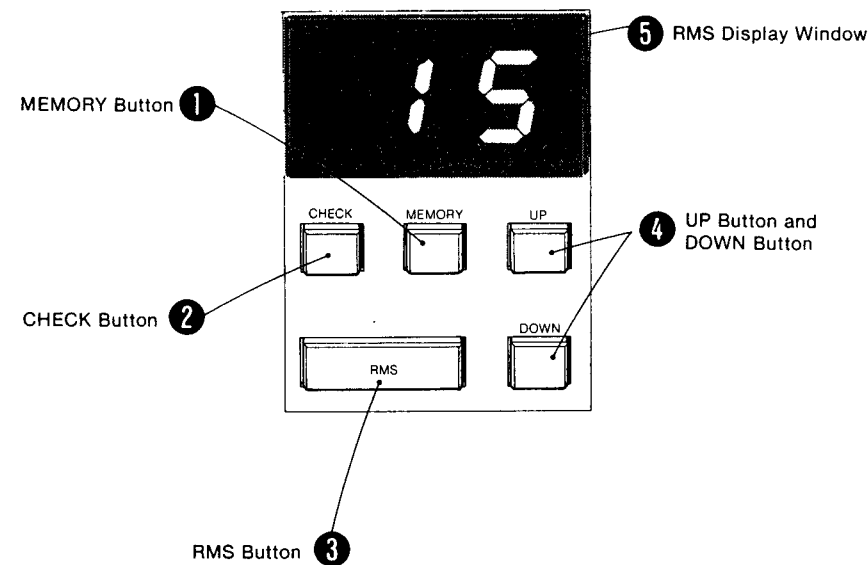
— Specification Label —



US, Canadian model:	AC 120V	60Hz	13W
AEP model:	AC 220V~	50/60Hz	13W
UK model:	AC 240V~	50/60Hz	13W
E model:	AC 110, 120, 220, 240V~	50/60Hz	13W



• HOW TO OPERATE THE SET  
RANDOM MEMORY MUSIC SENSOR (RMS)



① MEMORY Button

Press to memorize the displayed selection number. When the number to be memorized has been selected by the UP or DOWN button, the selection number blinks in the RMS display window. When the MEMORY button is pressed, the selection number lights steadily for about three seconds to show that the number has been memorized, after which the number begins to blink again. Up to 15 selection numbers can be memorized.

If you want to repeat playback of the same selection, press the MEMORY button as many times as you want the selection to be played back.

● If you once turn off the unit or depress the button or RMS button, the memory will be cancelled.

② CHECK Button

Press to check which selection numbers have been memorized. Every time this button is pressed, a memorized program number is indicated. When this button is kept depressed, the memorized selection numbers will be indicated in turn.

● After the last selection number memorized is indicated, the number blinks for about three seconds, then lights steadily.

● To check during the RMS play, first stop the tape, then press this button.

③ RMS Button

Press to get ready for RMS operation. When the RMS button is pressed, "0" is displayed. If you wish to cancel the memorized selection numbers, press this button again.

④ UP Button and DOWN Button

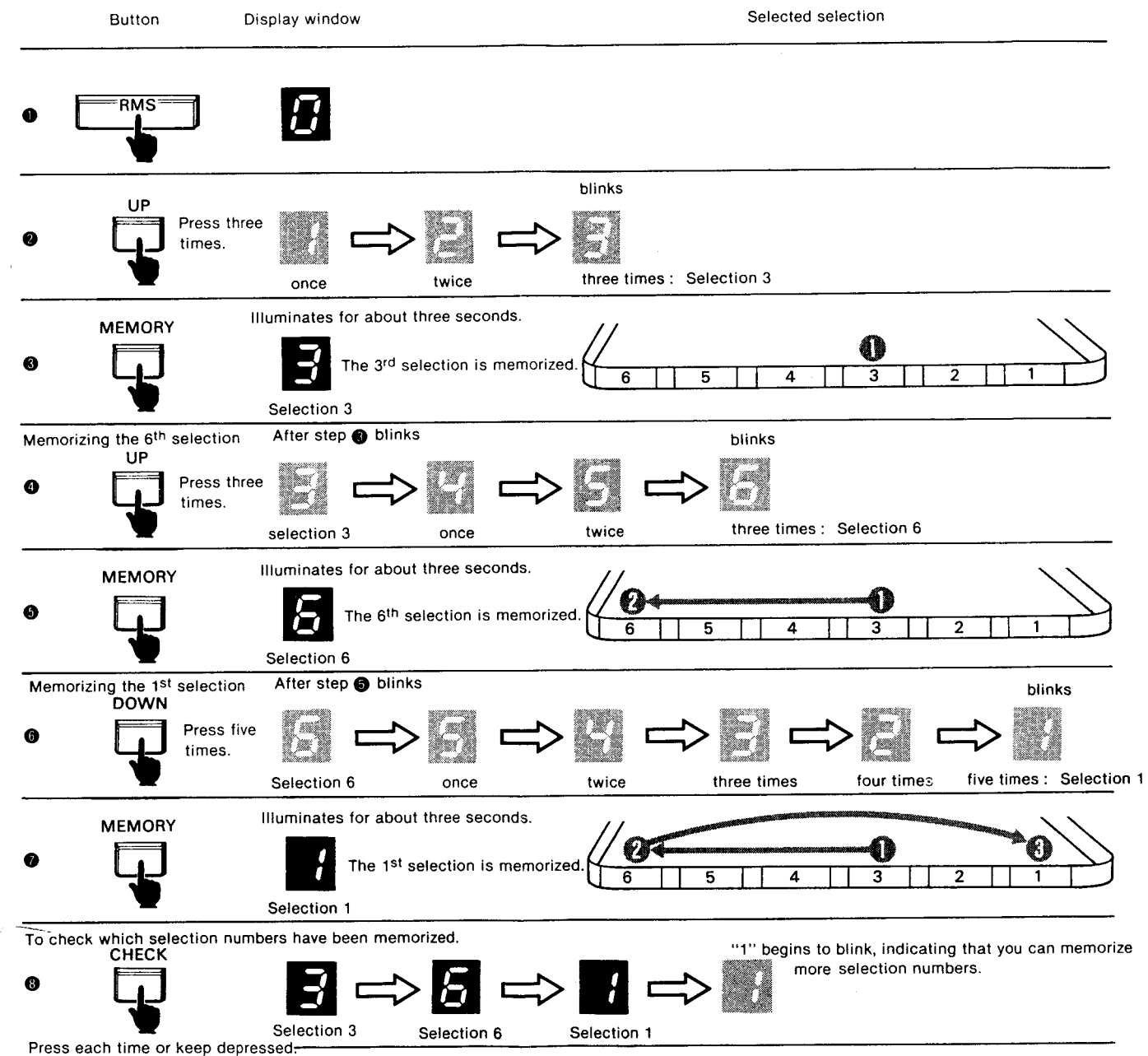
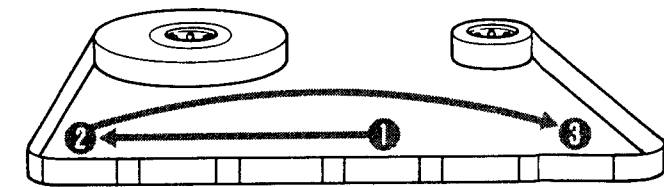
Press to select the selection number. "1" means the first selection recorded on the cassette tape. Every time the UP button is pressed, the selection indicated increases by one to "15", after which it returns to "1". Every time the DOWN button is pressed, the selection indicated decreases by one to "1", after which it returns to "15".

⑤ RMS Display Window

The selection number selected is displayed in this window.

BASIC RMS OPERATION—For example: to play selection three first, selection six second and selection one third.

● First, insert a cassette and depress the POWER switch to ON.



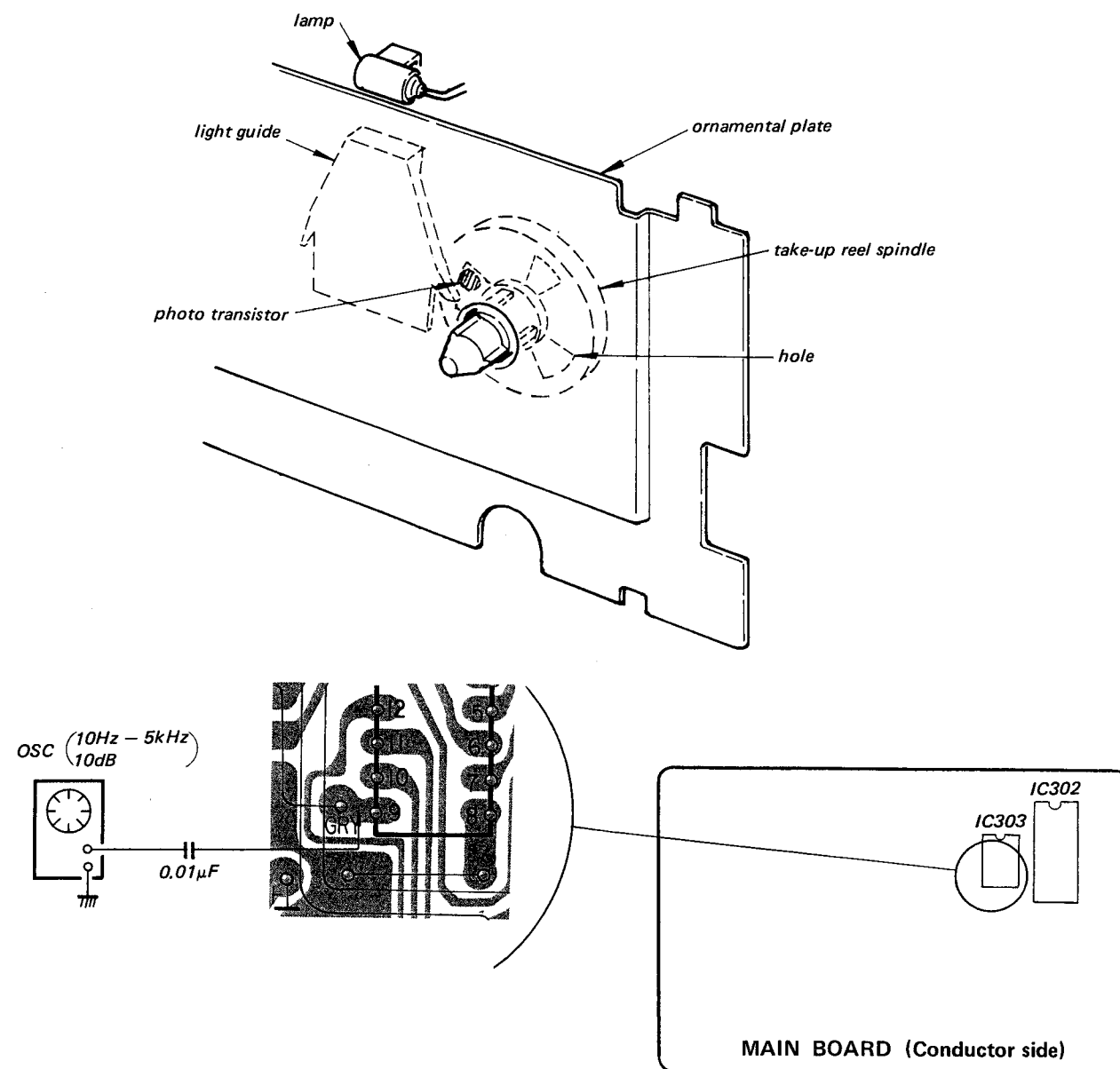
In this way, up to 15 selection numbers can be memorized. When 15 selections are memorized, the last selection number blinks rapidly to show that no more selection can be memorized.



### Shut-Off Detection and Precaution On Repairing

In this set, the shut-off detection is made optically. The take-up reel spindle has the five holes. The light of the lamp received by the light guide is intermittently applied to the photo transistor by means of the rotation of the reel spindle. The pulse generated by the photo transistor Q803 is amplified by Q801 and is fed to the mechanism control IC302.

Accordingly, when it is necessary to repair the unit after removing the ornamental plate, connect an af oscillator to the terminal ⑨ of IC303 as shown below, so as not to operate the shut-off mechanism.



### Handling Precautions for MOS ICs

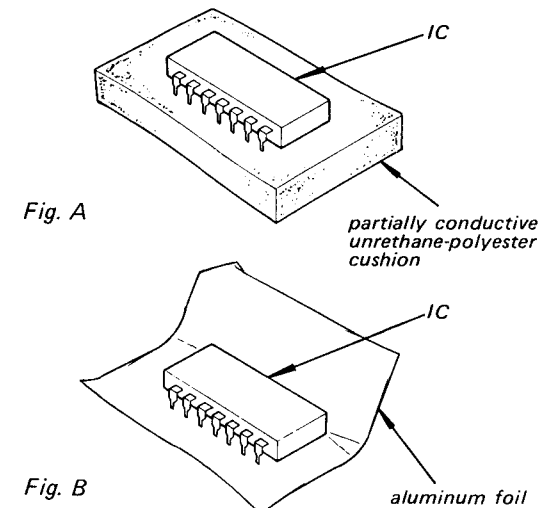
Generally, the insulation resistance of the oxide layer in MOS IC structures is very high, and the oxide layer is very thin. Because of this, it is possible that the static voltages usually present on clothes and the human body will be enough to generate a potential difference across the insulator, high enough to cause a breakdown of the insulating layer.

The following precautions should be taken while handling these ICs.

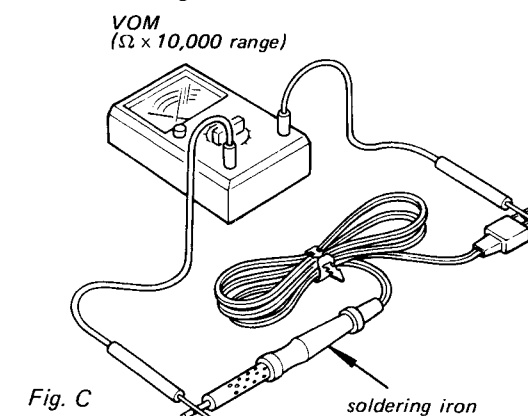
(Particular care should be taken under conditions of low humidity.)

#### Precautions in Replacing MOS ICs

1. Store new ICs by inserting them into a urethane-polyester cushion (which is somewhat conductive), or wrapping it in aluminum foil, so that all the pins are at the same potential. (The ICs should be stored in that manner until mounted on the circuit board.)



2. Check the soldering iron for possible power-line leakage current. Make sure that there is no leakage path by connecting an ohmmeter to the tip of the soldering iron and the plug as shown in Fig. C. If there is a leakage path, use some other soldering iron.



3. Equalize any potential difference between the clothes, the tools in use, the work bench, the set being worked on, and the packaged IC by touching them all in succession with the hands or a conductive wire or tool.
4. The following are effective methods for handling ICs that remove the potential difference across the oxide layer.
  - Use a paper clip modified by soldering in a wire braid insert.

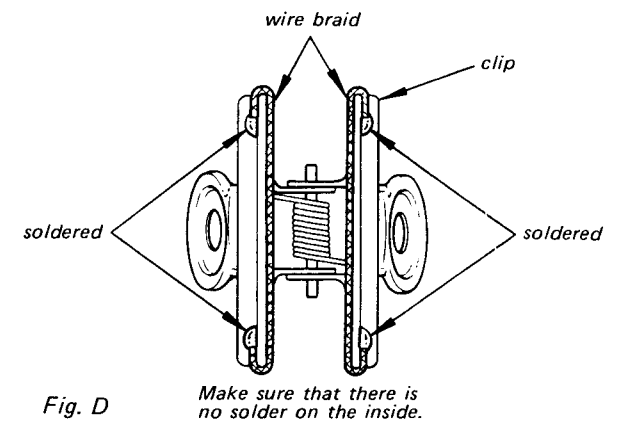


Fig. D Make sure that there is no solder on the inside.

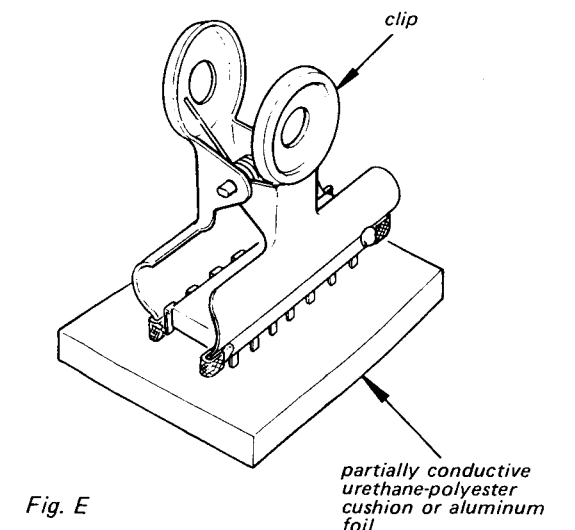


Fig. E Make sure that there is no solder on the inside.

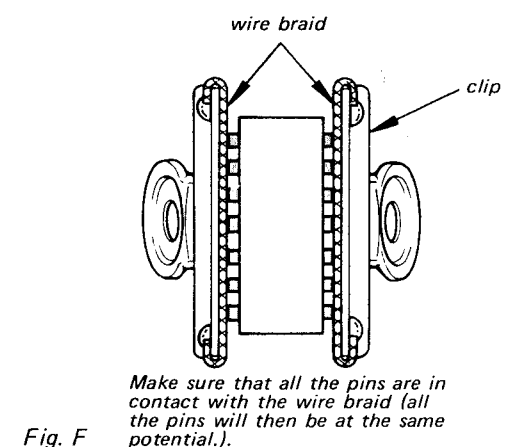


Fig. F Make sure that all the pins are in contact with the wire braid (all the pins will then be at the same potential.).



- Take a short length of fine bare wire and wind it around the IC so that it shorts all the pins of the IC, while it is still in the urethane-polyester cushion or aluminum foil. This ensures that all the pins are at the same potential.

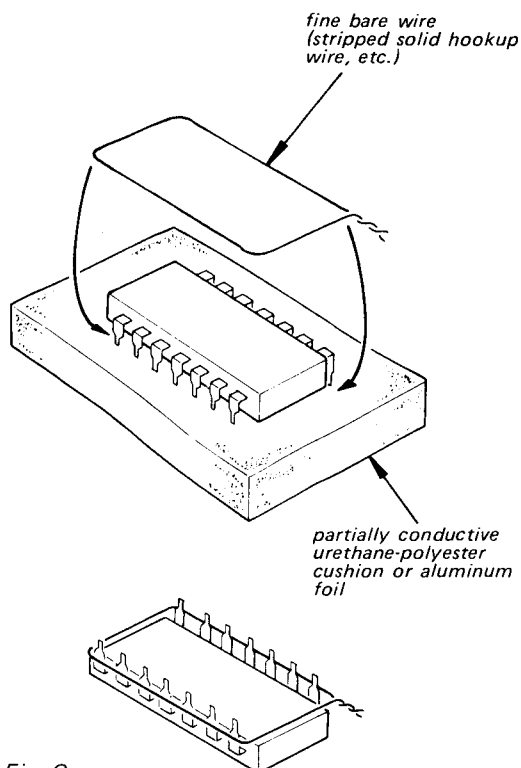


Fig. G

- When it is necessary to handle the IC with the fingers, do not touch any pin, and hold the IC at the ends of its plastic-package case as shown in Fig. H.

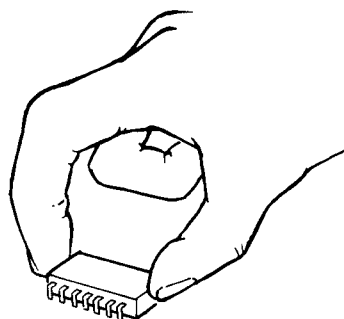


Fig. H

## 5. Method of Mounting

Insert the IC while holding it with the modified clip, and solder all the pins with the clip still shorting the pins. (Similarly, solder all the pins while the bare shorting wire is still wound around them.). Remove the clip or the bare shorting wire only after all the pins have been soldered.

## Precaution while Checking C-MOS ICs

The C-MOS ICs (Complementary MOS) are MOS ICs that have their output sections made up of N-channel and P-channel push-pull stages to increase their speed of operation. If the output terminal of these ICs comes into contact with B+ or B- voltage, then the FET which is ON at that time will either become shorted or open.

This is valid for all the output sections that are connected together by the interconnections. Even the circuits that are physically separated (and not on the same board) can be destroyed simultaneously.

### Example:

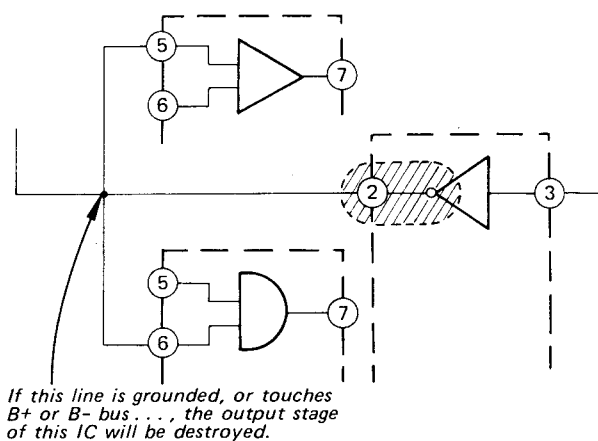
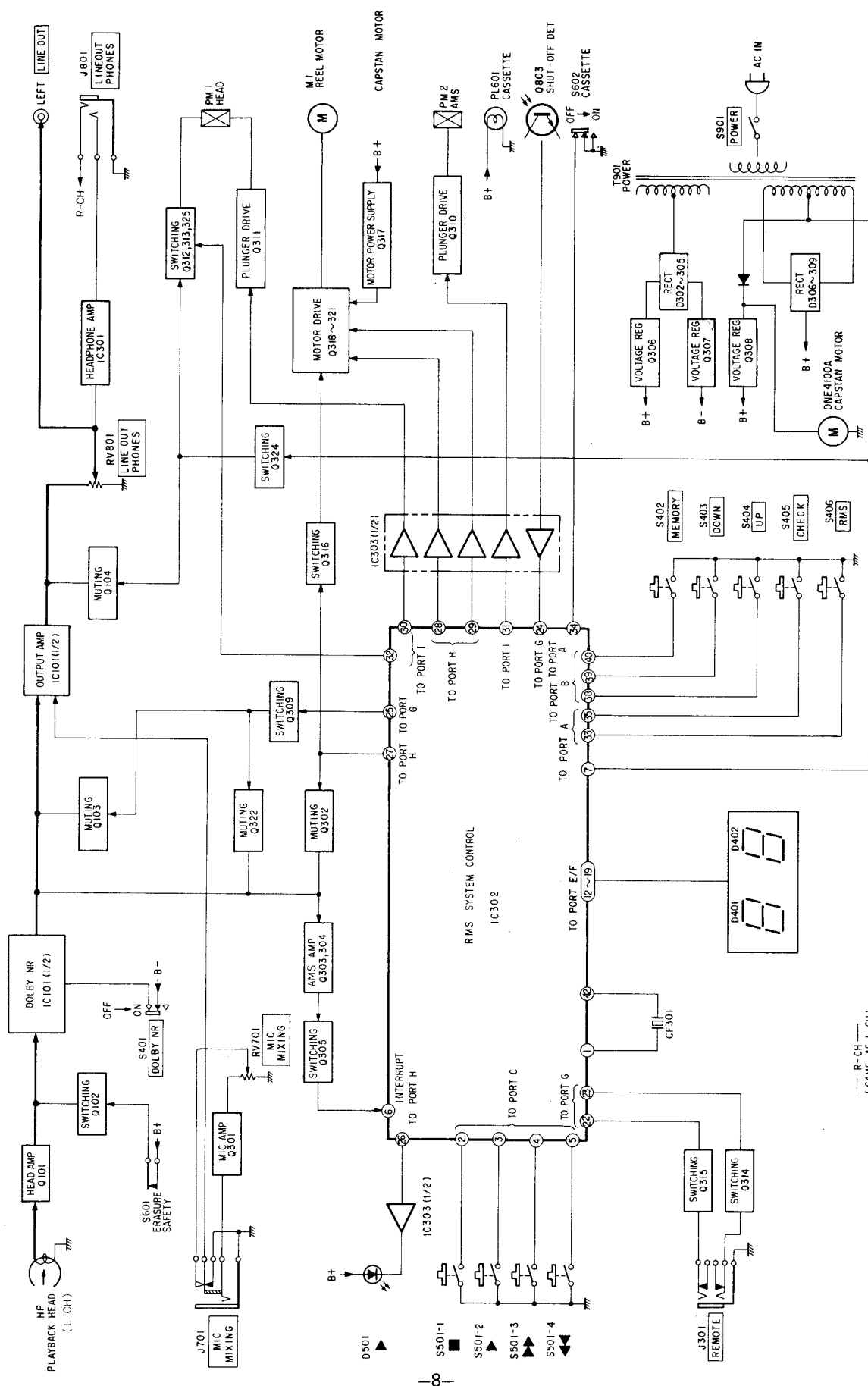


Fig. I



SECTION 1  
OUTLINE

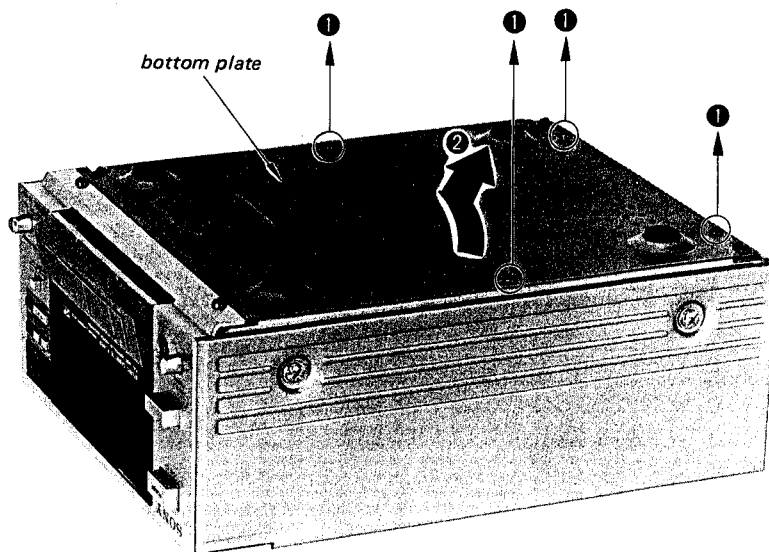
## BLOCK DIAGRAM



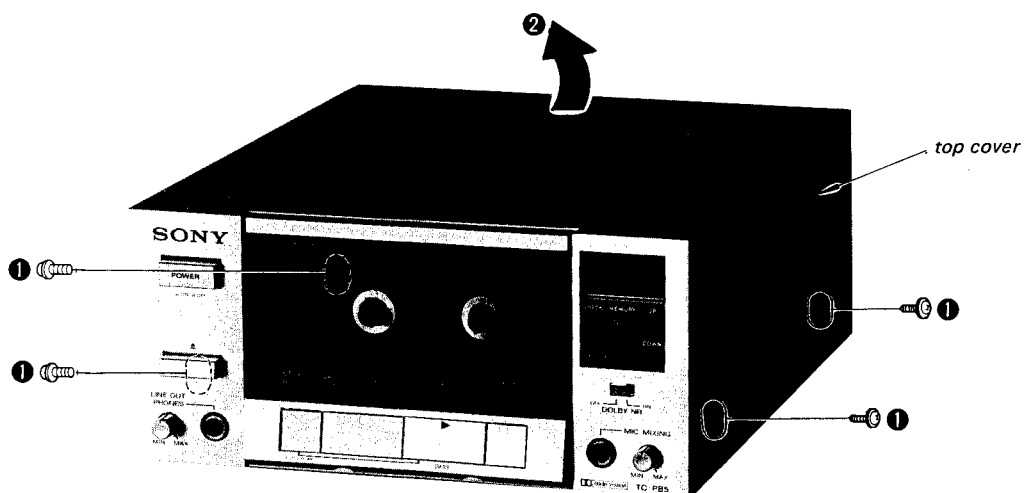
## SECTION 2 DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

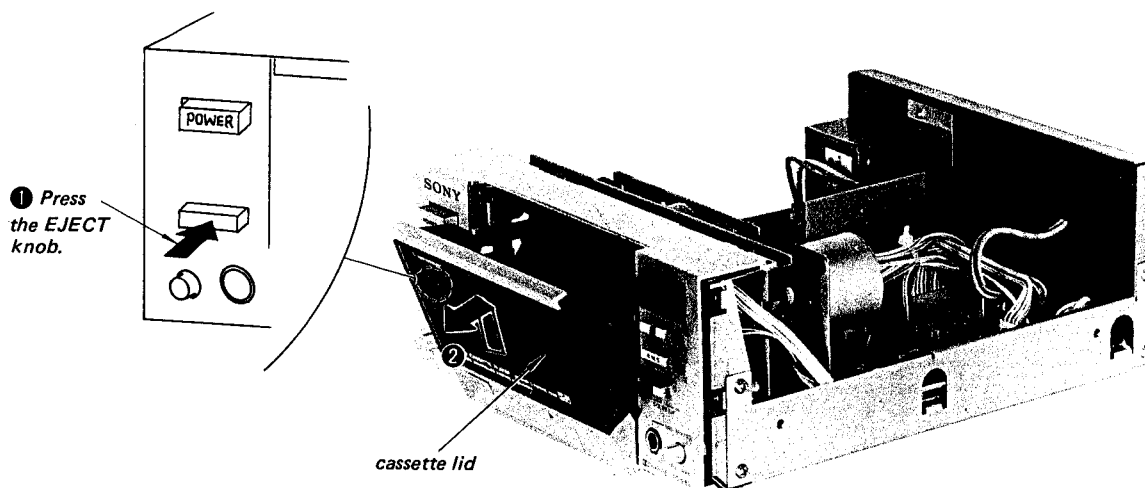
### BOTTOM PLATE



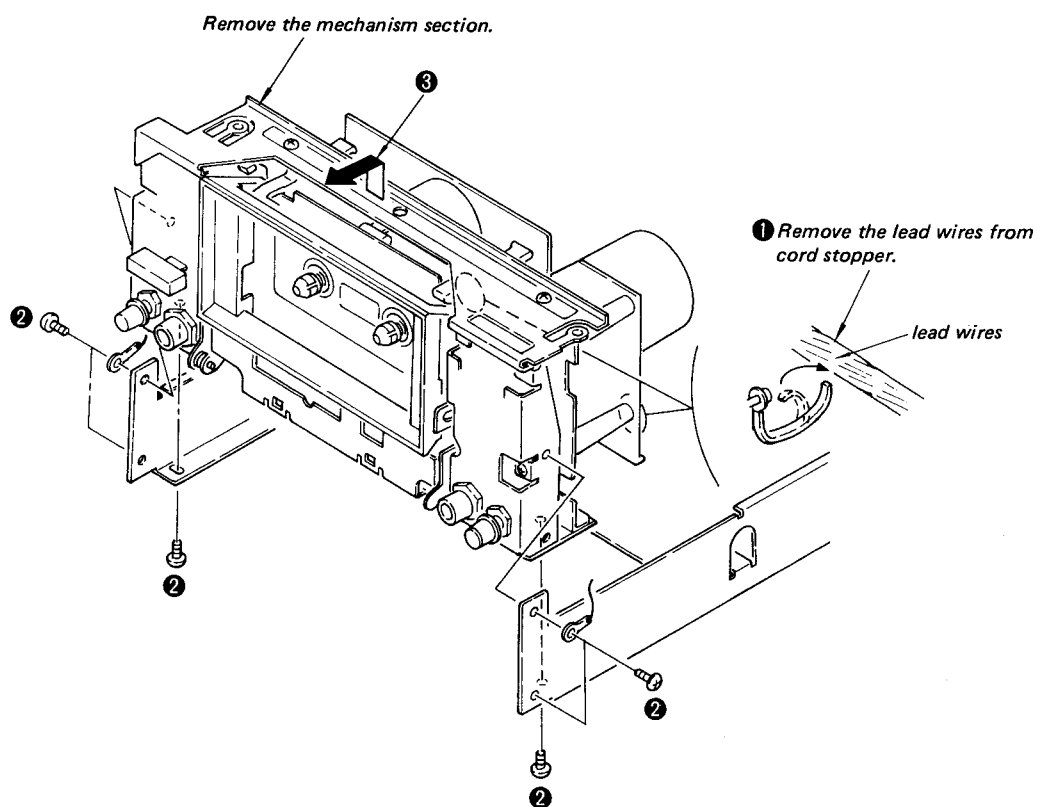
### TOP COVER



**CASSETTE LID**

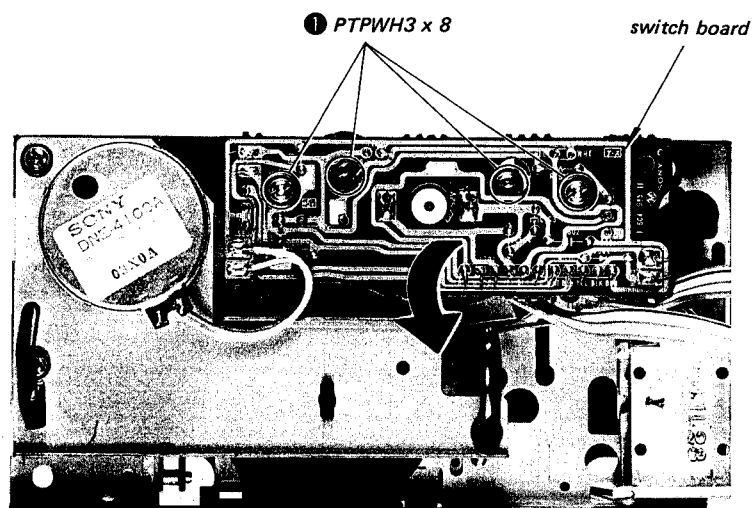


**MECHANISM SECTION-1**

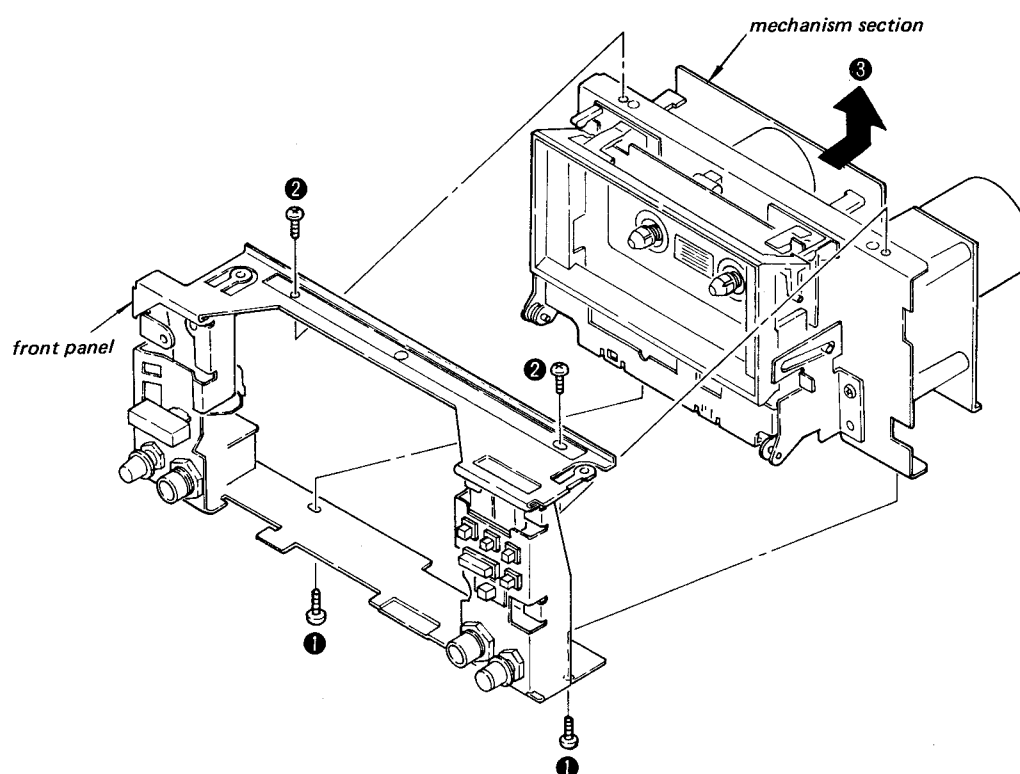




# SWITCH BOARD



## MECHANISM SECTION-2



## SECTION 3 ADJUSTMENTS

### 3-1. MECHANICAL ADJUSTMENTS

#### PRECAUTION

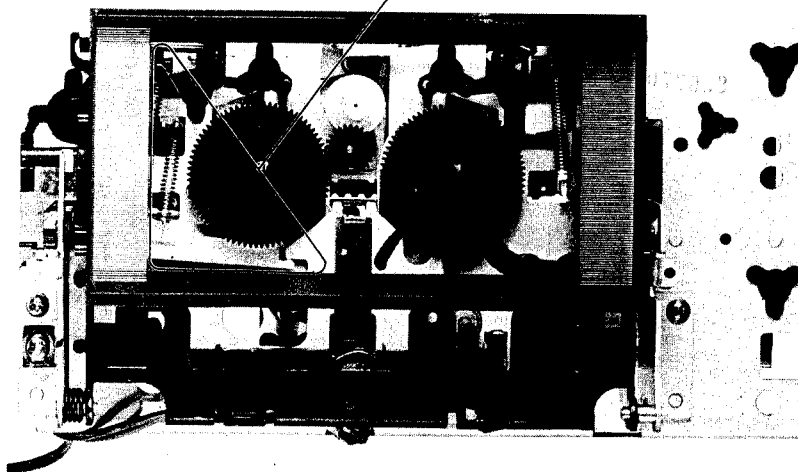
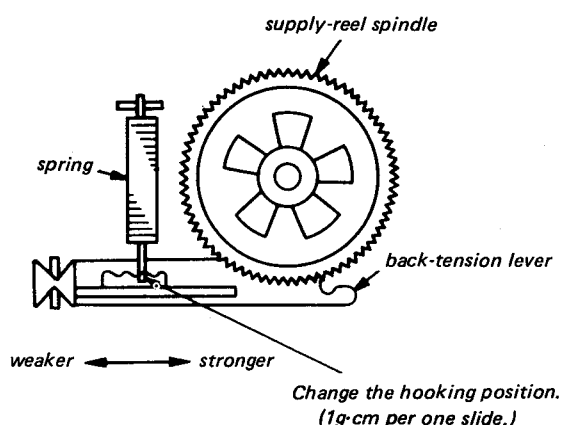
1. Clean the following parts with a denatured-alcohol-moistened swab:  

playback head	pinch roller
tape guide	rubber belts
capstan	idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

#### Torque Measurement and Back Tension Torque Adjustment

Torque	Torque meter	Meter reading
Forward	CQ-102C	35–55 g-cm (0.48–0.76 oz-inch)
Back tension	CQ-102C	2.5–4.5 g-cm (0.04–0.06 oz-inch)

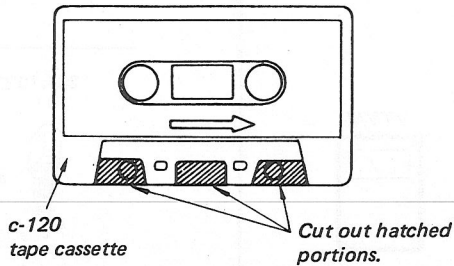
2. If the specified back-tension torque is not obtained, change the hooking position.



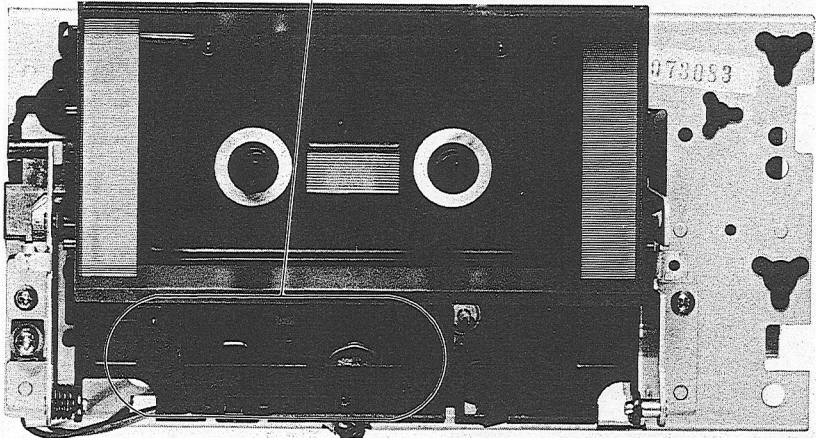
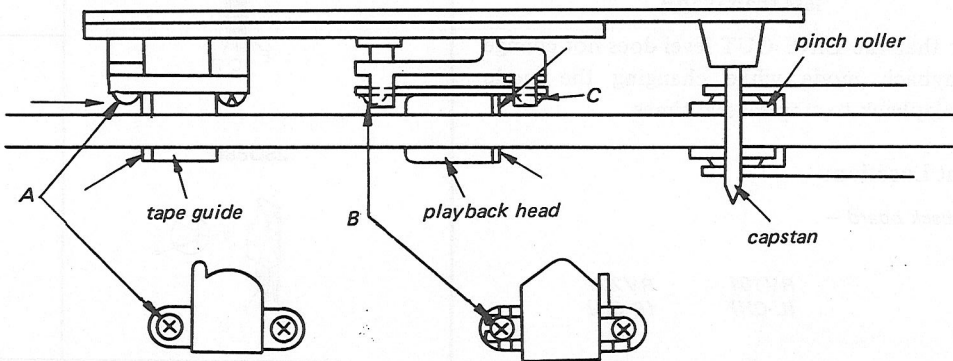


Head Height Adjustment

1. Prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights by using the adjustment screw A, B, C, to eliminate tape curl and tape twist at portions shown by arrow.



3-2. ELECTRICAL ADJUSTMENTS

**Note:** The adjustment should be performed in the order given in this service manual.

- Set the TAPE switches according to the tape as follows.

Tape	TAPE switch
CS-10	TYPE I
CS-20	TYPE II
CS-40	TYPE IV

- Switches and controls should be set as follows unless otherwise specified.  
DOLBY NR switch: OFF

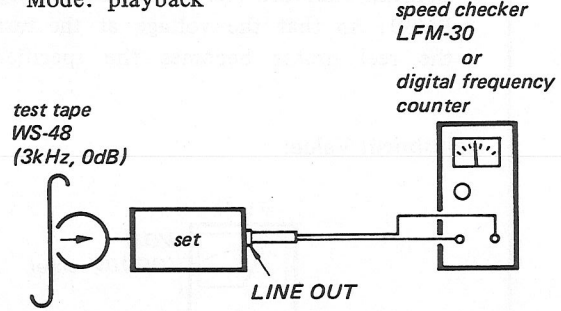
- Standard Output Level

	PHONES	LINE OUT
load impedance	8Ω	50kΩ
output level	77.5V (-20dB)	0.44V (-5dB)

Capstan Motor Speed Adjustment

Procedure:

Mode: playback



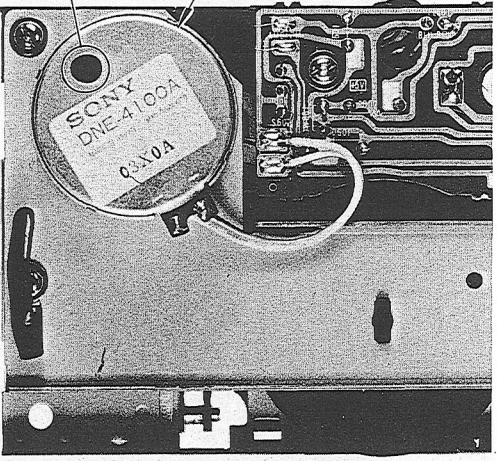
Adjustment Value:

speed checker	Digital frequency counter
-0.17 ~ +0.17%	2.995 ~ 3.005Hz

Frequency difference between the beginning and the end of the tape should be within 0.34% (10Hz).

Adjustment Location:

(Adjust the speed by using screwdriver. When turning the screw clockwise, speed is faster.)





### Reel Motor Voltage Adjustment

#### Procedure:

1. Insert the cassette tape and set in fast-forward mode.
2. Confirm that the reel motor is rotating. Adjust RV301 so that the voltage at the terminal of the reel motor becomes the specified value.

#### Adjustment Value:

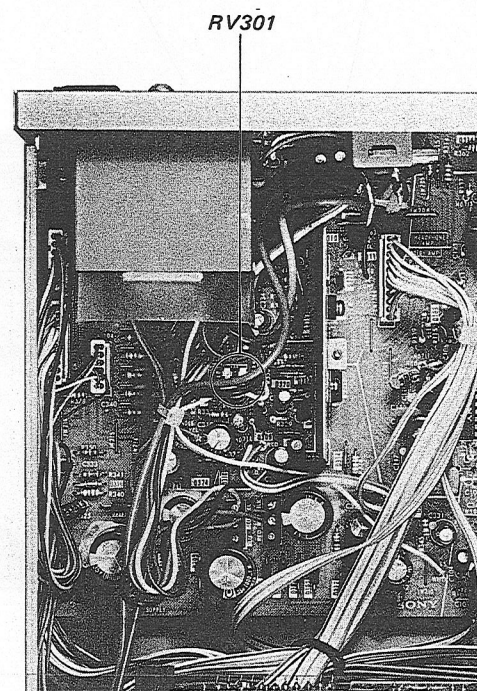
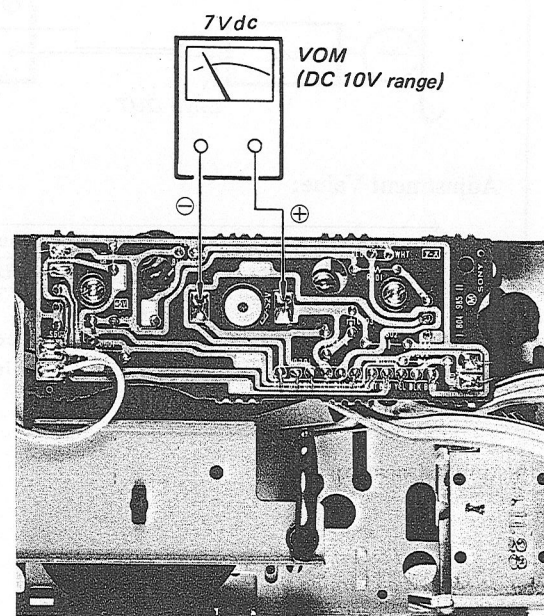


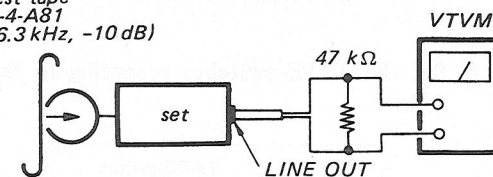
Photo : AEP model

### Playback Head Azimuth Adjustment

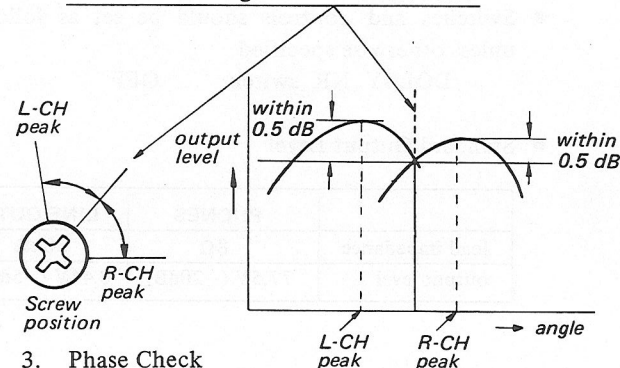
#### Procedure:

1. Mode: playback

test tape  
P-4-A81  
(6.3 kHz, -10 dB)

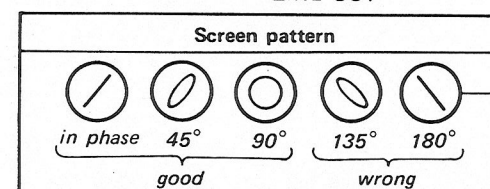
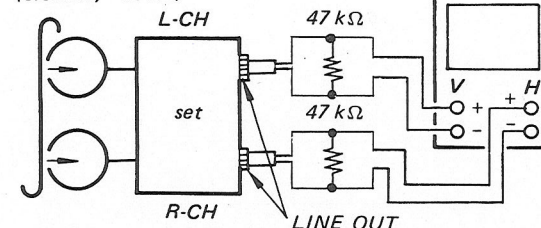


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw where both of output levels match together within 0.5 dB.



3. Phase Check  
Mode: playback

test tape  
P-4-A81  
(6.3 kHz, -10 dB)



#### Adjustment Location: adjustment screw



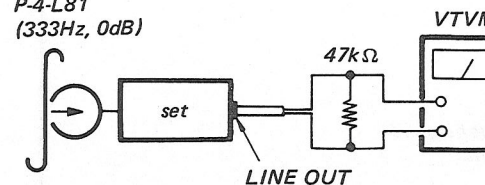
### Playback Level Adjustment

#### Procedure:

LINE OUT : MAX  
PHONES

Mode: playback

test tape  
P-4-L81  
(333 Hz, 0 dB)



#### Adjustment Value:

LINE OUT level: 0.52 ~ 0.59V  
(-3.5 ~ -2.5 dB)

Level difference between channels:  
less than 0.5 dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

#### Adjustment Location:

- playback board -

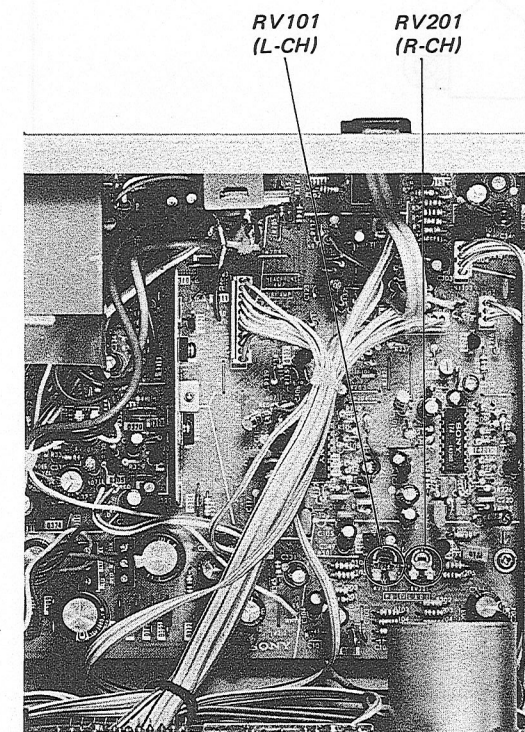
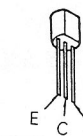


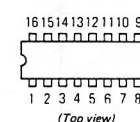
Photo : AEP model

### Semiconductor Lead Layout

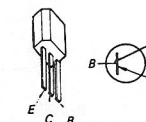
2SC1345  
2SC2001



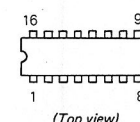
CX174  
μPC4557C



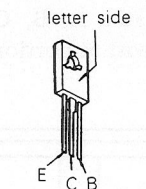
2SA1027R



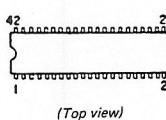
LM6402A016



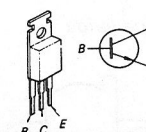
2SD809  
2SB731



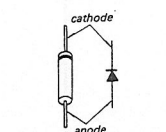
MSM4050



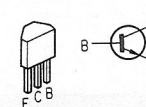
2SD880



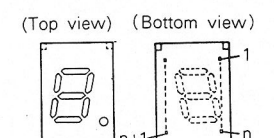
1S1555  
10E2  
HZ11B2L  
RD5.6EB



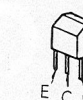
2SD1012  
2SB808



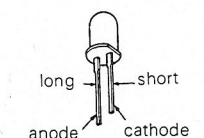
GL9N03D



2SB734



PG3432S



PH102



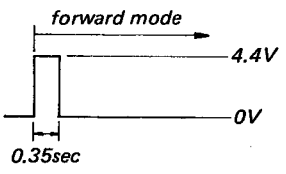
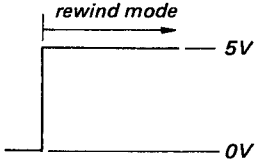
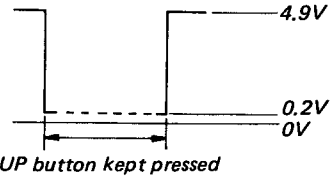
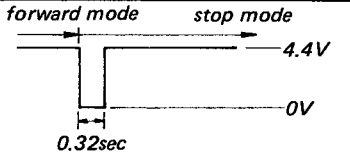
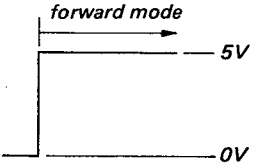
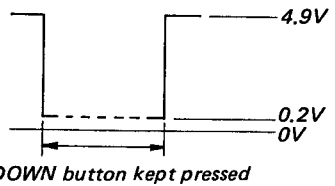
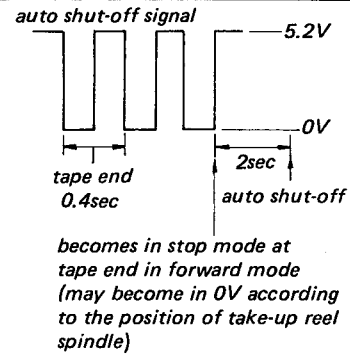
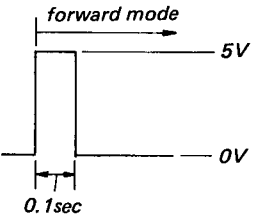
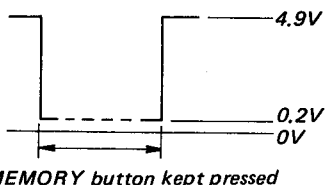
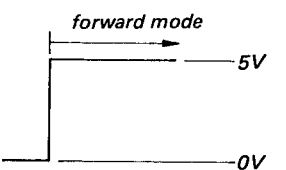
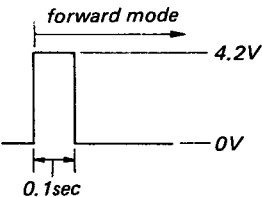
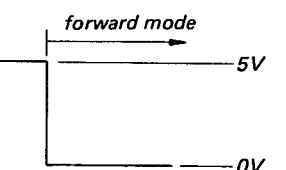
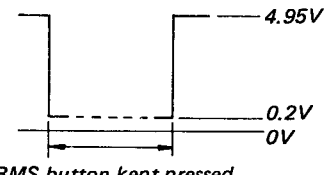
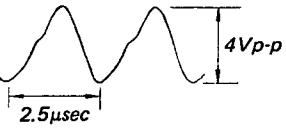
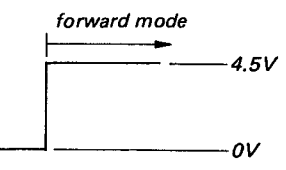
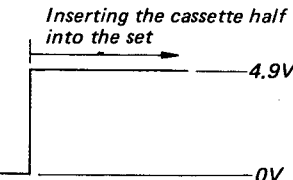
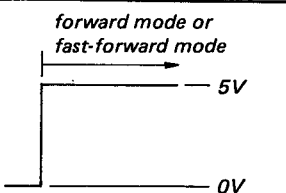
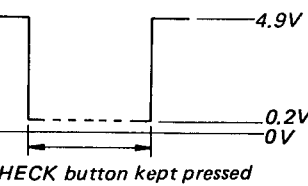


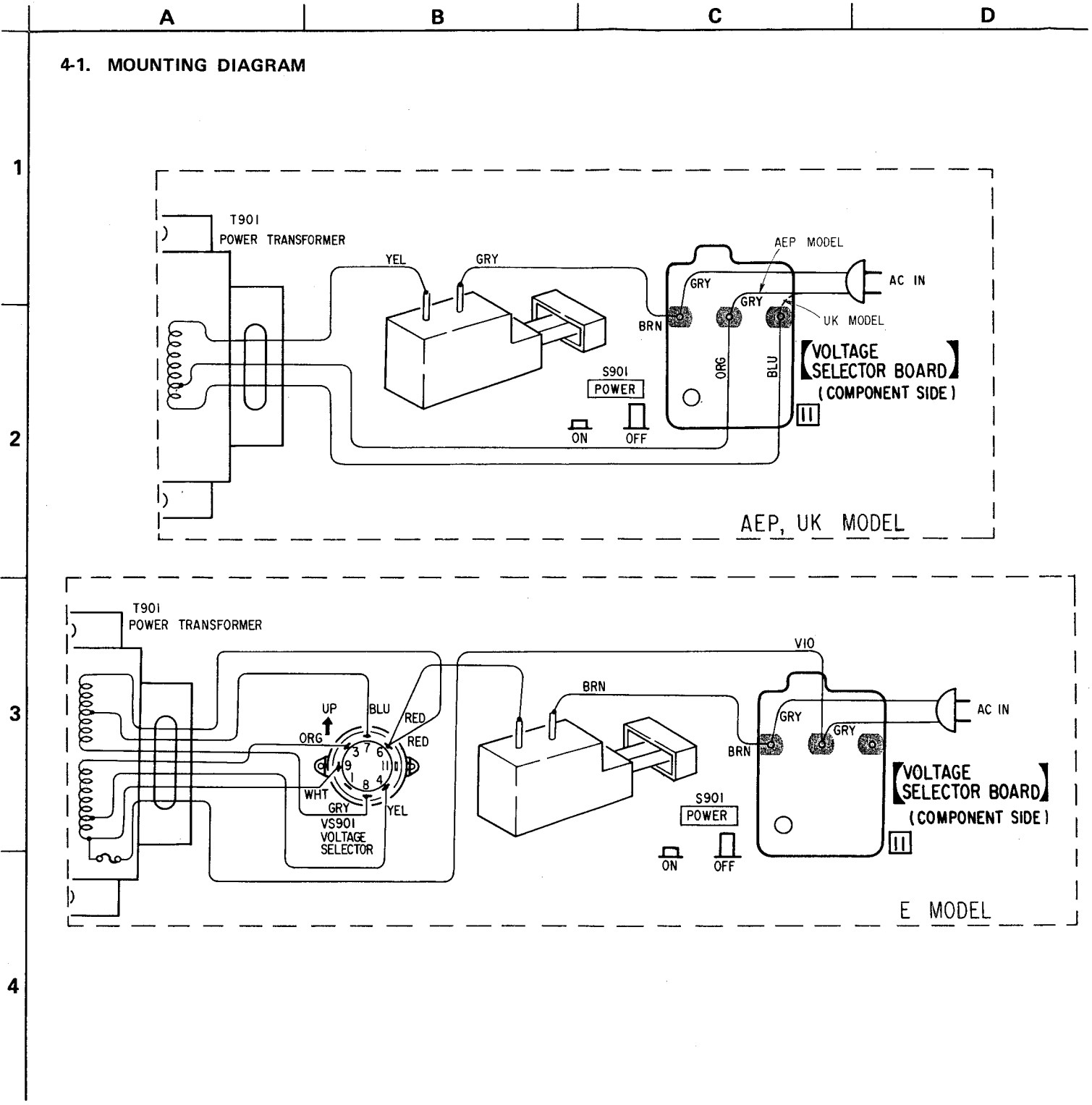
# SECTION 4 DIAGRAMS

## TC-PB5 TC-PB5

IC302's TERMINAL NAME, WAVEFORM AND/OR VOLTAGES					
PIN No.	WAVEFORM AND/OR VOLTAGES	PIN No.	WAVEFORM AND/OR VOLTAGES	PIN No.	WAVEFORM AND/OR VOLTAGES
①					
②		⑫	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 0.2V RMS button is pressed ("1, 4, 11, 14" are displayed): DC 3.6V RMS button is pressed ("2, 3, 5-10, 12, 13, 15" are displayed)	⑯	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 0.2V RMS button is pressed ("1, 3-5, 7, 9, 11, 13-15" are displayed): DC 3.6V RMS button is pressed ("2, 6, 8, 10, 12" are displayed)
③					
④		⑬	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 0.2V RMS button is pressed ("5, 6, 15" are displayed): DC 3.6V RMS button is pressed ("1-4, 7-14" are displayed)	⑰	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 0.2V RMS button is pressed ("1-3, 11-13" are displayed): DC 3.6V RMS button is pressed ("4-10, 14, 15" are displayed)
⑤		⑭	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 0.2V RMS button is pressed ("2, 12" are displayed): DC 3.6V RMS button is pressed ("1, 3, 4-11, 13-15" are displayed)	⑱	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 3.6V RMS button is pressed ("1, 7, 10, 11" are displayed): DC 3.6V RMS button is pressed ("2-6, 8, 9, 12-15" are displayed)
⑥					
⑦	5V dc	⑮	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 0.2V RMS button is pressed ("1, 4, 7, 11, 14" are displayed): DC 3.6V RMS button is pressed ("2, 3, 5, 6, 8-10, 12, 13, 15" are displayed)	⑲	RMS button is not pressed (not displayed): DC 3.6V RMS button is pressed ("0" is displayed): DC 3.6V RMS button is pressed ("1-9" are displayed): DC 3.6V RMS button is pressed ("10-15" are displayed)
⑧	5V dc				
⑨	0V dc				
⑩	0V dc				
⑪	5.2V dc				

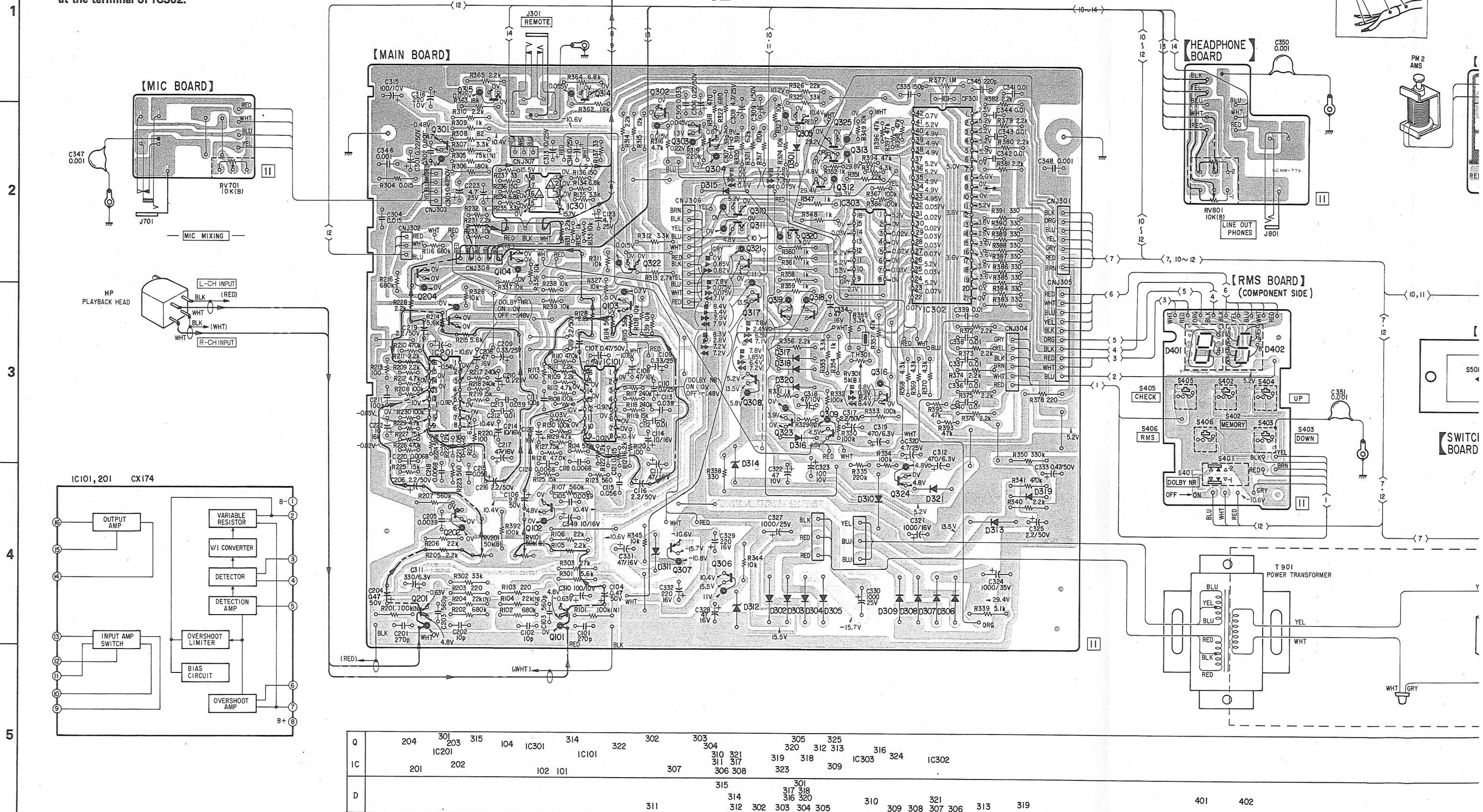
IC302's TERMINAL NAME, WAVEFORM AND/OR VOLTAGES					
PIN No.	WAVEFORM AND/OR VOLTAGES	PIN No.	WAVEFORM AND/OR VOLTAGES	PIN No.	WAVEFORM AND/OR VOLTAGES
⑳ ㉑	GND (ground)				
㉒		㉔		㉖	
㉓		㉕		㉗	
㉔		㉘		㉙	
㉕		㉚		㉛	
㉖		㉜		㉝	
㉗		㉞		㉟	
㉘		㉟		㊱ ㊲	5.2V dc
㉙					
㉚		㊳		㊴	
㉛		㊵			
㉜					
㉝					
㉞					
㉟					
㊱ ㊲	5.2V dc				

IC302's TERMINAL NAME, WAVEFORM AND/OR VOLTAGES					
PIN No.	WAVEFORM AND/OR VOLTAGES	PIN No.	WAVEFORM AND/OR VOLTAGES	PIN No.	WAVEFORM AND/OR VOLTAGES
20 21	GND (ground)				
22		29		38	
23		30		39	
24	 <p>becomes in stop mode at tape end in forward mode (may become in 0V according to the position of take-up reel spindle)</p>	31		40	
25		32		41	5.2V dc
26		33		42	
27		34			
28		35			
		36 37	5.2V dc		








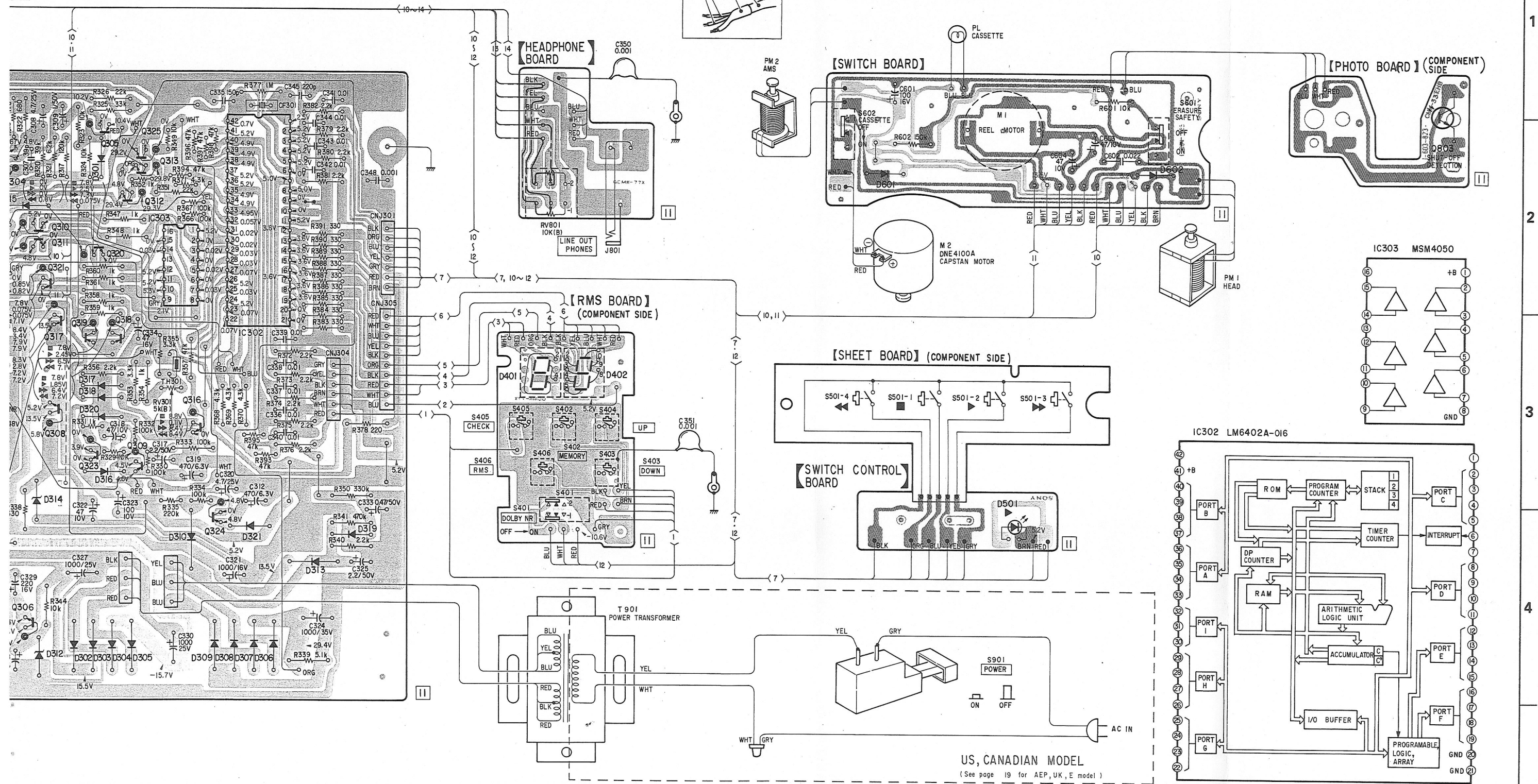
- See page 16 for the semiconductor lead layout.
- Refer to pages 17 and 18 for voltages and waveforms at the terminal of IC302.





A diagram of a three-strand braid. The top strand is labeled 'WHT' (white). The middle strand is labeled 'RED'. The bottom strand is labeled '(RED)(GRY)' (red and grey). The braid is shown with three strands crossing each other in a standard three-strand braid pattern.

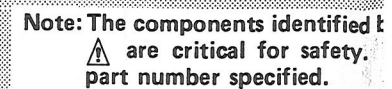
-  : signal path
-  : L-CH signal path
-  : R-CH signal path



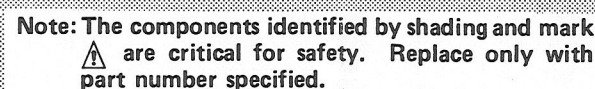
803	Q
	IC
	D



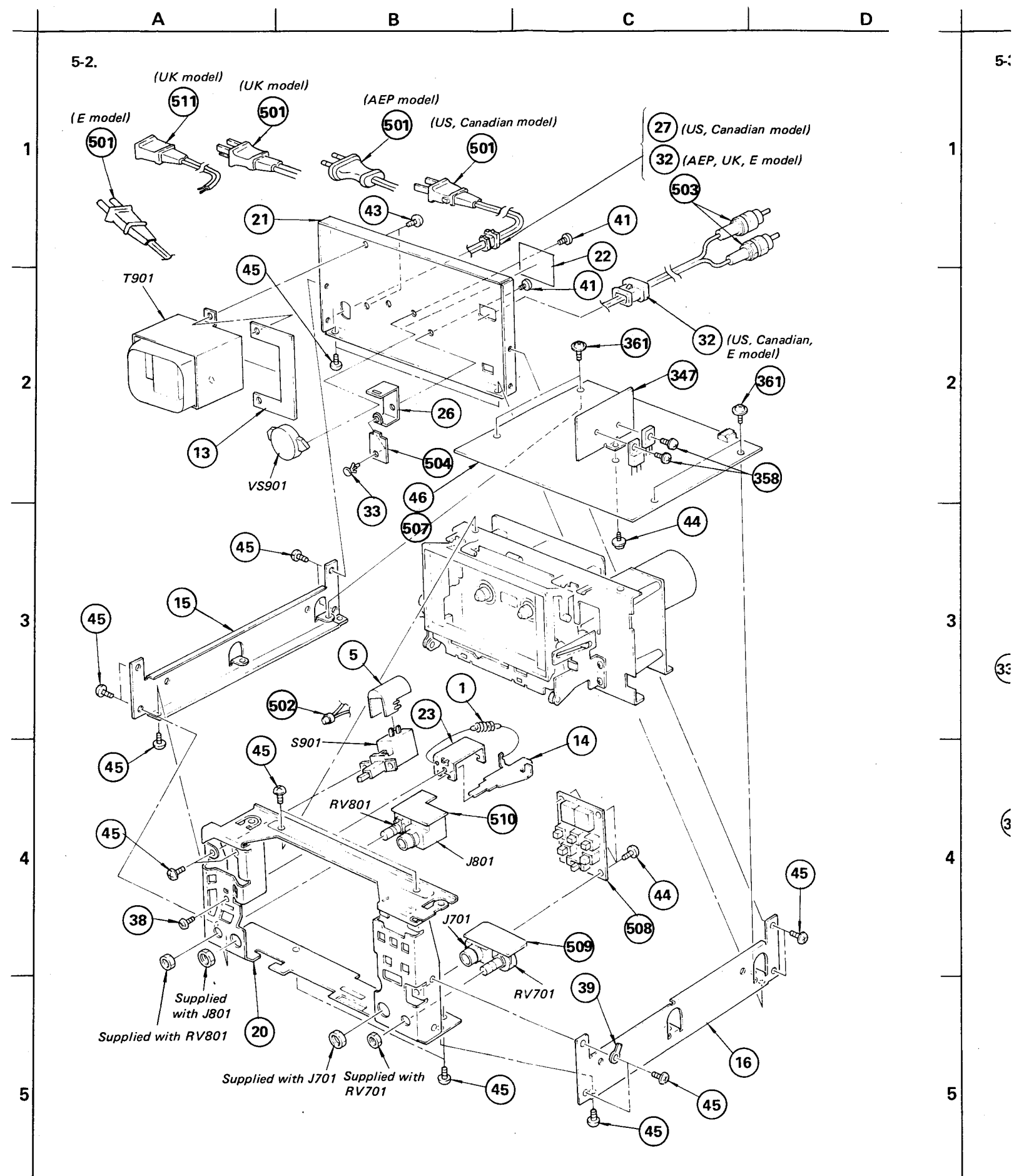
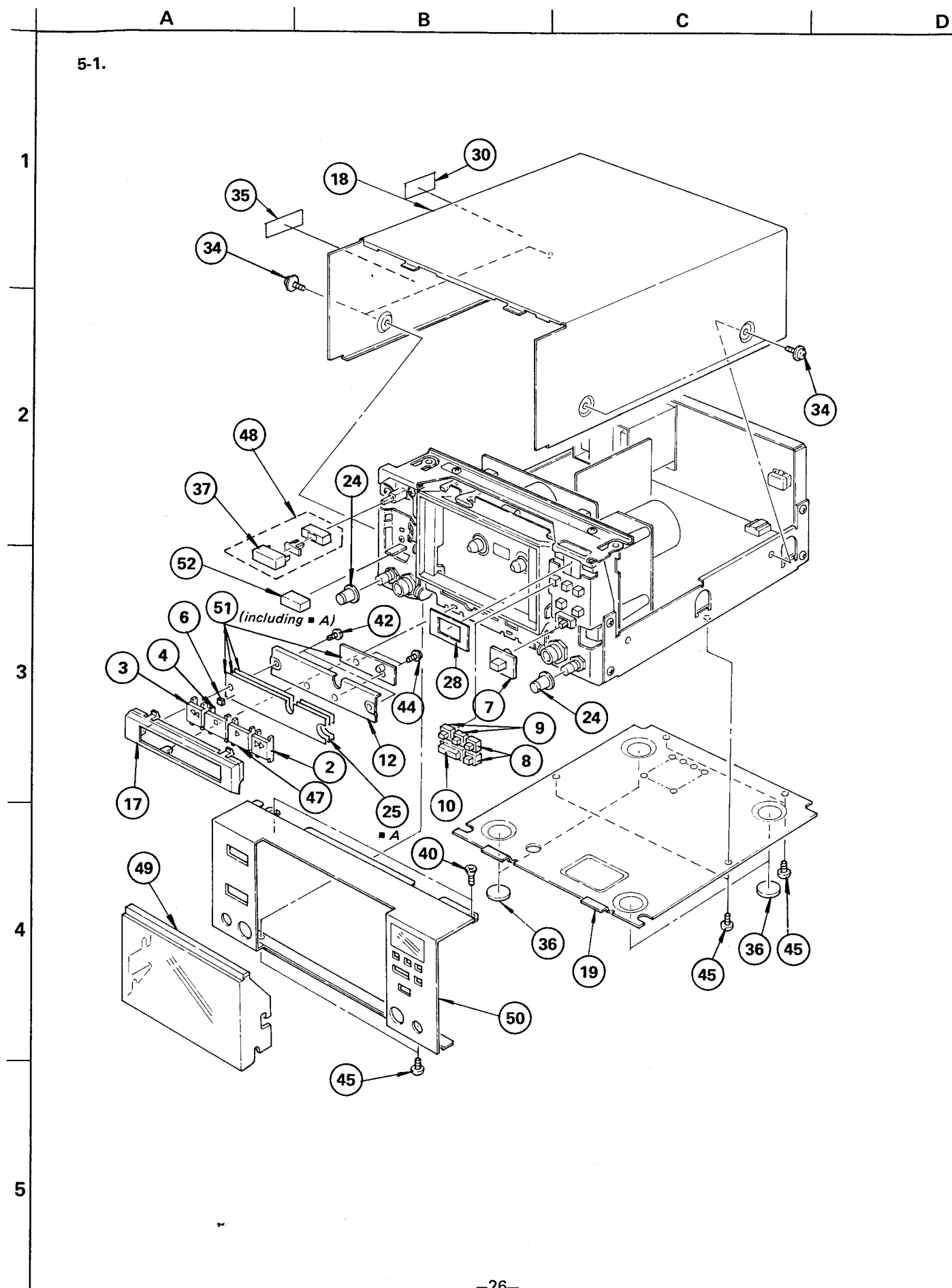
TC-PB5 TC-PB5

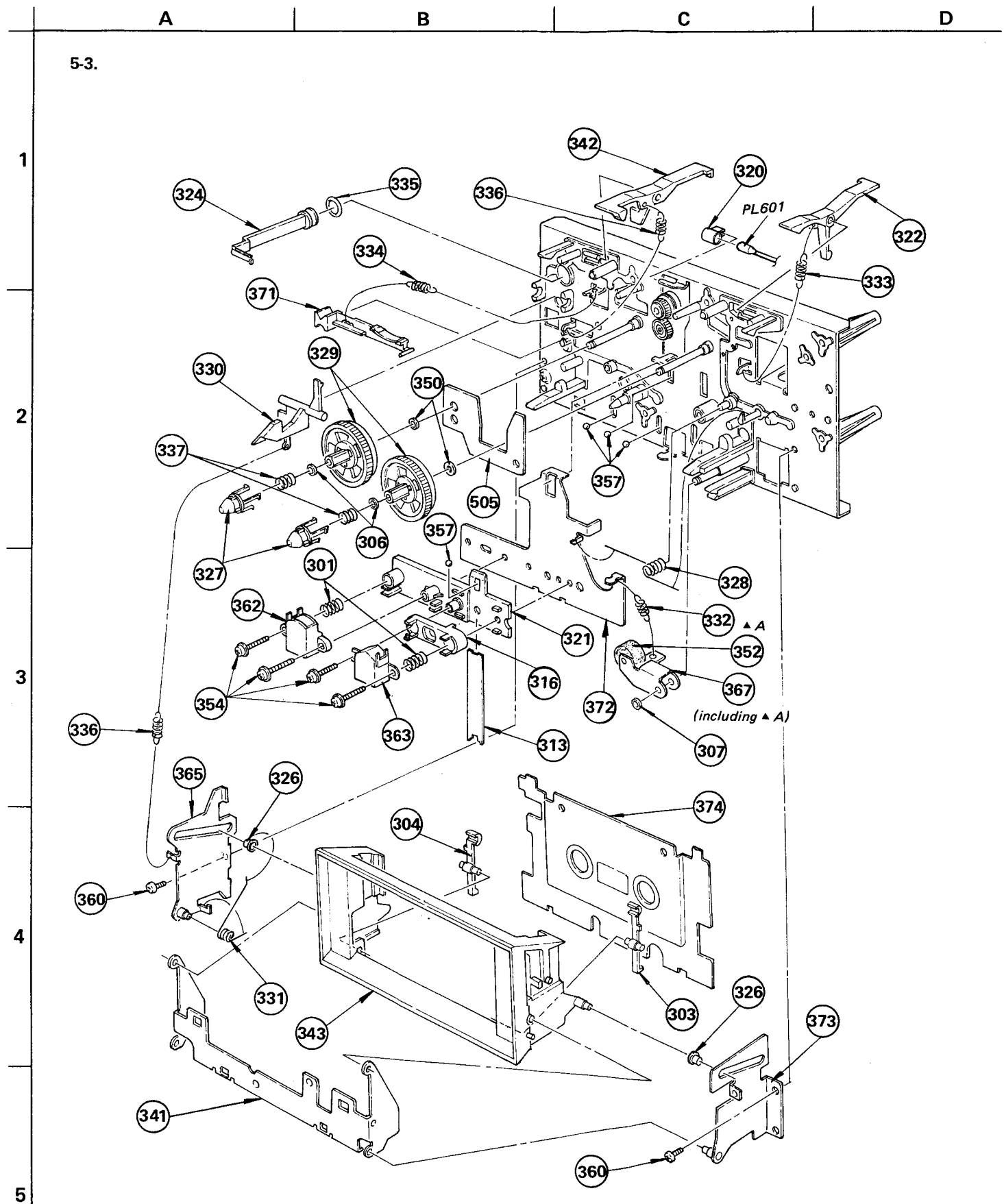
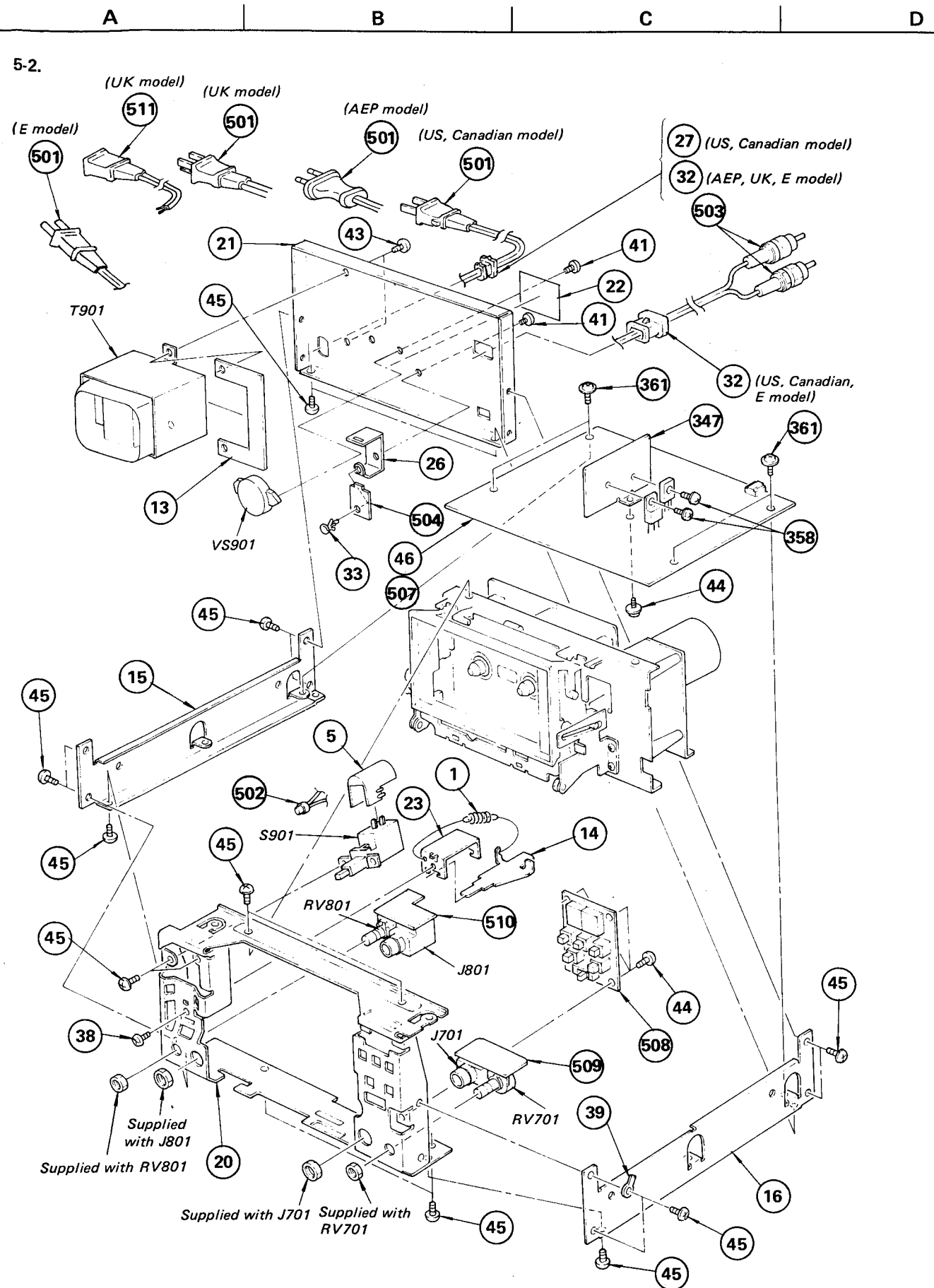


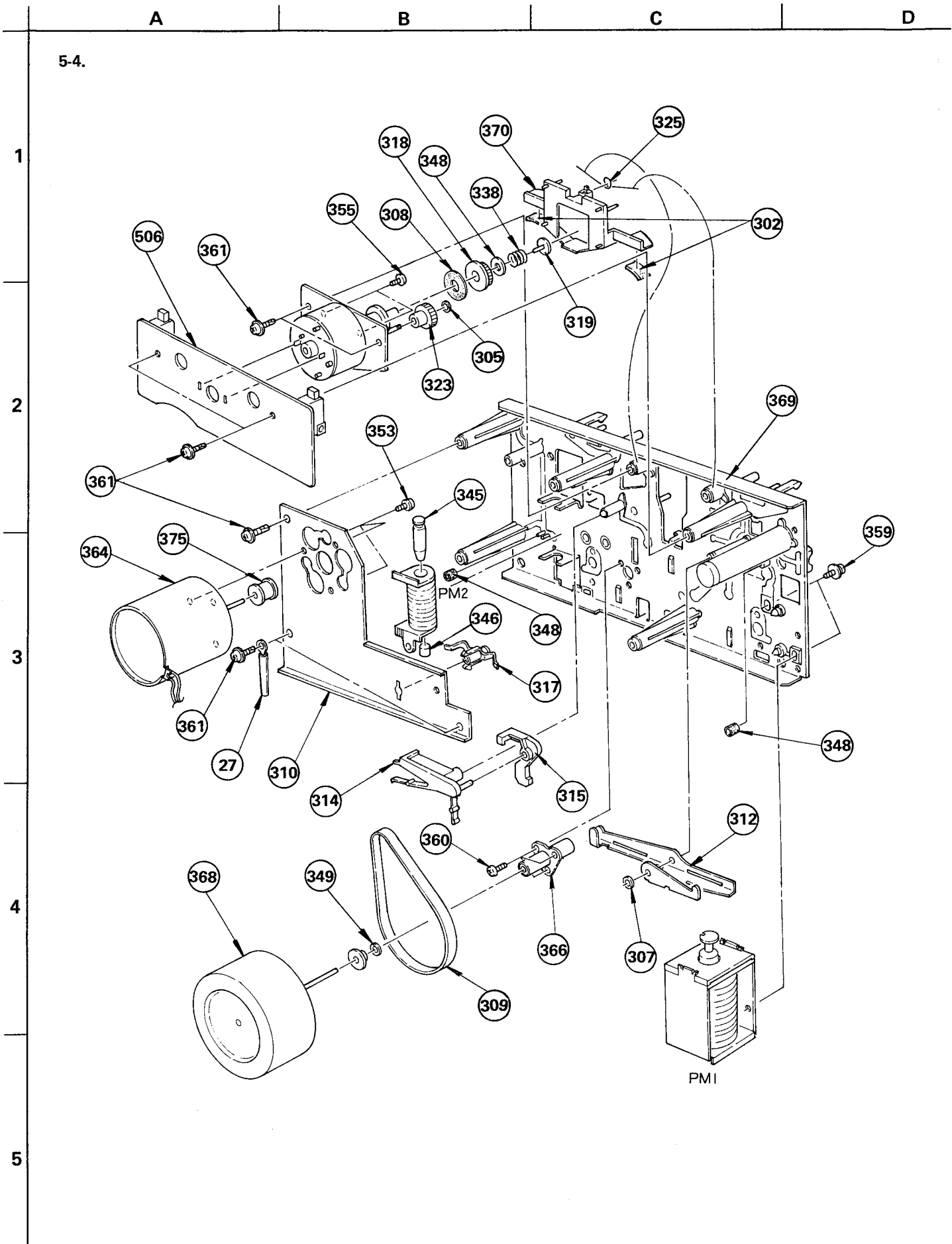












GENERAL SECTION

No.	Part No.	Description
1	3-533-435-00	SPRING, TENSION (S)
2	3-575-516-00	BUTTON, FF
3	3-575-517-00	BUTTON, REW
4	3-575-518-00	BUTTON, STOP
5	3-575-524-00	COVER, POWER SWITCH
6	3-579-304-00	CUSHION, CONTROL SWITCH
7	3-579-306-00	BUTTON, DOLBY
8	3-579-307-01	BUTTON, PROGRAM
9	3-579-307-11	BUTTON, PROGRAM
10	3-579-308-00	BUTTON, RMS
11	.....	
12	▲;3-579-312-00	PLATE, BASE, CONTROL SWITCH
13	▲;3-579-314-00	(US,Canadian)...BRACKET, TRANSFORMER
13	3-579-315-00	(AEP,UK,E).....BRACKET, TRANSFORMER
14	▲;3-579-316-00	SLIDER, EJECT
15	▲;3-579-317-00	PLATE (L), SIDE
16	▲;3-579-318-00	PLATE (R), SIDE
17	▲;3-579-319-00	BASE, CONTROL
18	3-579-321-00	CASE
19	▲;3-579-322-00	PLATE, BOTTOM
20	▲;3-579-324-00	CHASSIS, FRONT
21	▲;3-579-325-12	(US,Canadian)...PANEL, REAR
21	▲;3-579-325-22	(AEP).....PANEL, REAR
21	3-579-325-32	(E).....PANEL, REAR
21	0-489-470-30	(UK).....PANEL, REAR
22	3-579-327-00	(US,Canadian)...LABEL, SPECIFICATION
22	0-491-683-00	(AEP).....LABEL, SPECIFICATION
22	0-491-684-00	(UK).....LABEL, SPECIFICATION
22	0-491-685-00	(E).....LABEL, SPECIFICATION
23	▲;3-579-332-00	BRACKET, EJECT
24	3-579-334-00	KNOB, HEADPHONE
25	▲;3-579-336-00	CUSHION, CONTROL BUTTON
26	▲;3-587-905-00	(AEP,UK,E).....BRACKET, PC BOARD
27	3-701-682-00	(US,Canadian)...STOPPER, CORD
28	▲;3-579-313-00	SHIELD, PLATE
29	.....	
30	3-703-079-21	(US,UK)...LABEL, SUB-CAUTION
31	3-703-135-00	SCREW, TAPPING
32	3-703-244-00	BUSHING, CORD
33	4-812-134-01	(AEP,UK,E).....RIVET, PLASTIC
34	4-820-330-21	SCREW, BW, PLUS MINUS
35	4-838-170-00	(UK).....LABEL, MADE IN KOREA
36	4-860-711-00	FELT
37	4-871-322-01	CAP, POWER KNOB
38	7-621-775-20	SCREW +B 2.6X5
39	7-623-508-01	LUG, 3
40	7-682-246-01	SCREW +K 3X5

GENERAL SECTION

No.	Part No.	Description
41	7-682-647-01	SCREW +PS 3X6
42	7-685-132-11	SCREW +P 2.6X5 TYPE2 NON-SLIT
43	7-685-659-21	SCREW +BVTP 4X8 TYPE2 SLIT
44	7-685-861-01	SCREW +BVTT 2.6X5 (S)
45	7-685-871-01	SCREW +BVTT 3X6 (S)
46	▲;A-2095-408-A	MOUNTED PCB, MAIN
47	A-2145-049-A	BUTTON ASSY, FWD
48	A-2164-033-A	KNOB ASSY, POWER
49	A-2172-034-A	WINDOW ASSY, CASSETTE
50	A-2310-167-A	PANEL ASSY, FRONT
51	X-3579-301-0	SHEET ASSY, SWITCH, CONTROL
52	X-3579-302-0	KNOB ASSY, EJECT

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (▲-▲▲-▲▲-XX or ▲-▲▲-▲▲-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in  $\mu$ F. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: $\mu$ F, PF: $\mu$ F.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH :  $\mu$ H

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



ACCESSORY & PACKING MATERIAL

Part No.	Description
▲1-526-562-00	(E)...ADAPTOR, AC PLUG
3-579-330-00	CUSHION, LOWER
3-579-331-00	CUSHION (A) (B), UPPER
3-579-335-00	INDIVIDUAL CARTON
3-701-630-00	BAG, POLYETHYLENE
3-701-360-01	(AEP).....LABEL, DESTINATION
3-703-031-01	(E1).....LABEL, DESTINATION
3-703-106-01	(E2).....LABEL, DESTINATION
3-703-160-01	(Canadian)...LABEL, DESTINATION
3-703-165-01	(UK1).....LABEL, DESTINATION
3-703-167-01	(US).....LABEL, DESTINATION
3-783-609-11	(AEP,UK,E)...LABEL, DESTINATION
3-703-208-00	(US).....LABEL, IDENTIFICATION
3-783-609-11	(AEP,UK,E).....MANUAL, INSTRUCTION
3-783-609-21	(US,Canadian)...MANUAL, INSTRUCTION
3-795-232-31	(Canadian).....MANUAL, INSTRUCTION:FRENCH
4-861-226-00	BAG, POLYETHYLENE
9-910-999-47	LABEL, SEAL
X-3701-105-0	ROD ASSY, CLEANING, HEAD

MECHANISM SECTION

No.	Part No.	Description
301	3-481-272-00	SPRING, COMPRESSION
302	3-538-051-00	RUBBER, BRAKE
303	3-555-113-00	SPRING (R)
304	3-555-114-00	SPRING (L)
305	3-558-708-01	WASHER, STOPPER
306	3-558-708-11	WASHER, STOPPER
307	3-558-708-21	WASHER, STOPPER
308	3-564-027-11	FELT, LIMITER
309	3-564-319-00	BELT, CAPSTAN
310	▲;3-575-302-00	RETAINER, THRUST
311	3-575-304-00	SHAFT, GEAR, FR
312	▲;3-575-307-00	LEVER, FWD
313	▲;3-575-312-00	SPRING
314	3-575-317-02	LEVER, TUNING
315	3-575-318-00	LEVER, LOCK, TUNING
316	3-575-320-00	BASE, ADJUSTMENT, HEAD
317	3-575-321-00	RETAINER, THRUST, CAPSTAN
318	3-575-324-00	GEAR, LIMITER
319	3-575-327-00	STOPPER
320	3-575-328-00	HOLDER, LAMP
321	3-575-330-00	BRACKET, HEAD
322	▲;3-575-331-00	LEVER, DETECTION, HALF
323	3-575-332-00	GEAR, FR
324	3-575-333-00	PISTON
325	3-575-345-00	SPRING
326	3-575-348-00	ROLLER, GUIDE, THREADING
327	3-575-350-00	CLAW, REEL TABLE
328	3-575-351-00	SPRING
329	3-575-353-00	TABLE, REEL
330	3-575-354-00	LEVER, LOCK
331	3-575-356-00	SPRING
332	3-575-357-00	SPRING, TENSION
333	3-575-358-00	SPRING, TENSION
334	3-575-359-00	SPRING, TENSION
335	3-575-360-00	RING
336	3-575-364-00	SPRING, TENSION
337	3-575-365-00	SPRING, COMPRESSION
338	3-575-368-00	SPRING, COMPRESSION
339	3-575-383-00	CHASSIS, HEAD
340	.....	
341	▲;3-575-391-00	LEVER, FULCRUM, HOLDER
342	▲;3-575-393-00	LEVER, EQ DETECTION
343	3-575-394-00	HOLDER, CASSETTE
344	3-575-414-00	SPRING, COMPRESSION
345	3-575-415-11	ARBOR, MOVABLE

MECHANISM SECTION

No.	Part No.	Description
346	3-575-416-11	ARBOR, FIXED
347	3-579-309-00	HEAT SINK
348	3-652-612-11	CUSHION (B)
349	3-701-438-21	WASHER
350	3-701-439-21	WASHER
351	3-701-444-11	WASHER, 6
352	3-701-455-00	PINCH ROLLER
353	7-621-259-15	SCREW +P 2.6X3
354	7-621-772-70	SCREW +B 2X14
355	7-621-775-10	SCREW +B 2.6X4
356	7-624-110-04	STOP RING 6.0, TYPE -E
357	7-671-112-11	BALL, STEEL
358	7-682-647-01	+PS 3X6
359	7-682-949-01	SCREW +PSW 3X10
360	7-685-861-01	SCREW +BVTT 2.6X5 (S)
361	7-687-246-21	SCREW, TOTSU PTPWH 3X8,TYPE2
362	8-825-724-00	GUIDE, TAPE
363	8-825-732-00	HEAD, PB(PS210-3602A)
364	8-835-049-01	MOTOR, DC (DNE-4100A)
365	▲;X-3575-301-0	PLATE (A) ASSY, HOLDER FULCRUM
366	X-3575-303-0	METAL ASSY, CAPSTAN
367	X-3575-304-0	PINCH LEVER (T) ASSY
368	X-3575-305-0	FLYWHEEL (T) ASSY
369	▲;X-3575-360-0	MECHANISM ASSY
370	X-3575-309-0	PLATE ASSY, BRAKE
371	X-3575-310-0	LEVER ASSY, TENSION, BACK
372	X-3575-324-0	CHASSIS ASSY, HEAD
373	▲;X-3575-326-0	PLATE (C) ASSY,FULCRUM, HOLDER
374	X-3575-327-2	RETAINER ASSY, CASSETTE
375	X-3575-328-1	PULLEY, MOTOR

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	▲1-551-473-00	(E).....CORD, POWER
501	▲1-534-817-XX	(AEP).....CORD, POWER
501	▲1-551-962-00	(UK).....CORD, POWER
501	▲1-534-986-XX	(US,Canadian)..CORD, POWER
502	1-535-506-00	(US,Canadian)..CONNECTION PRESS TERMINAL
503	▲1-555-116-11	(US,Canadian)..CORD, WITH PLUG
503	▲1-555-118-00	(AEP,UK,E).....CORD, WITH PLUG
504	▲1-603-148-00	(AEP,UK,E)...PC BOARD, VOLTAGE SELECTOR
505	▲;1-603-823-00	PC BOARD, PHOTO
506	▲;1-604-985-00	PC BOARD, SWITCH
507	▲;1-604-996-00	PC BOARD, MAIN
508	▲;1-604-997-00	PC BOARD, RMS
509	▲;1-604-998-00	PC BOARD, MIC
510	▲;1-604-999-00	PC BOARD, H.P.
511	▲1-551-967-00	(UK).....CORD, POWER
C321	1-123-324-00	ELECT 1000MF 20% 16V
C324	1-123-349-00	ELECT 1000MF 20% 35V
C327	1-123-337-00	ELECT 1000MF 20% 25V
C330	1-123-337-00	ELECT 1000MF 20% 25V
CF301	1-527-532-00	OSCILLATOR, CERAMIC
▲CNJ301	1-560-606-00	PIN, CONNECTOR 7P
▲CNJ302	1-560-602-00	PIN, CONNECTOR 3P
▲CNJ303	1-560-603-00	PIN, CONNECTOR 4P
▲CNJ304	1-560-605-00	PIN, CONNECTOR 6P
▲CNJ305	1-560-607-00	PIN, CONNECTOR 10P
▲CNJ306	1-560-608-00	PIN, CONNECTOR 11P
▲CNJ307	1-560-602-00	PIN, CONNECTOR 3P
▲CNJ308	1-560-604-00	PIN, CONNECTOR 5P
D301	8-719-815-55	DIODE 1S1555
D302	▲8-719-200-02	DIODE 10E-2
D303	▲8-719-200-02	DIODE 10E-2
D304	▲8-719-200-02	DIODE 10E-2
D305	▲8-719-200-02	DIODE 10E-2
D306	▲8-719-200-02	DIODE 10E-2
D307	▲8-719-200-02	DIODE 10E-2
D308	▲8-719-200-02	DIODE 10E-2
D309	▲8-719-200-02	DIODE 10E-2
D310	8-719-815-55	DIODE 1S1555
D311	8-719-910-15	DIODE HZ11B2L
D312	8-719-910-15	DIODE HZ11B2L
D313	▲8-719-200-02	DIODE 10E-2
D314	8-719-156-25	DIODE RD5.6E-B
D315	8-719-200-02	DIODE 10E-2
D316	8-719-815-55	DIODE 1S1555
D317	8-719-815-55	DIODE 1S1555
D318	8-719-815-55	DIODE 1S1555
D319	8-719-815-55	DIODE 1S1555
D320	8-719-815-55	DIODE 1S1555

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (▲-▲▲▲-▲▲-XX or ▲-▲▲▲-▲▲-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in  $\mu$ F. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: $\mu$ F, PF: $\mu$ F.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH :  $\mu$ H

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (▲-▲▲▲-▲▲-XX or ▲-▲▲▲-▲▲-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in  $\mu$ F. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: $\mu$ F, PF: $\mu$ F.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH :  $\mu$ H

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D321	8-719-815-55	DIODE 1S1555
D401	8-719-909-03	DIODE GL-9N03D
D402	8-719-909-03	DIODE GL-9N03D
D501	8-719-914-32	DIODE PG3432SX
D601	8-719-815-55	DIODE 1S1555
D602	8-719-815-55	DIODE 1S1555
IC101	8-759-101-74	IC CX-174
IC201	8-759-101-74	IC CX-174
IC301	8-759-145-57	IC UPC4557C
IC302	8-759-820-16	IC LM6402A016
IC303	8-759-940-50	IC MSM4050
J301	1-507-688-21	JACK (STEREO PLUG)
J701	1-507-745-00	JACK, LARGE TYPE
J801	1-507-659-00	JACK
M1	X-3575-313-0	MOTOR ASSY, REEL
M2	8-835-049-01	MOTOR, DC (DNE-4100A)
PL601	1-518-313-00	LAMP, PILOT
PM1	X-3575-316-0	SOLENOID ASSY
PM2	1-454-291-00	SOLENOID, PLUNGER
Q101	8-729-334-58	TRANSISTOR 2SC1345
Q102	8-729-663-47	TRANSISTOR 2SC1364
Q103	8-729-100-13	TRANSISTOR 2SC2001
Q104	8-729-100-13	TRANSISTOR 2SC2001
Q201	8-729-334-58	TRANSISTOR 2SC1345
Q202	8-729-663-47	TRANSISTOR 2SC1364
Q203	8-729-100-13	TRANSISTOR 2SC2001
Q204	8-729-100-13	TRANSISTOR 2SC2001
Q301	8-729-334-58	TRANSISTOR 2SC1345
Q302	8-729-100-13	TRANSISTOR 2SC2001
Q303	8-729-334-58	TRANSISTOR 2SC1345
Q304	8-729-334-58	TRANSISTOR 2SC1345
Q305	8-729-612-77	TRANSISTOR 2SA1027R
Q306	8-729-180-93	TRANSISTOR 2SD809
Q307	8-729-173-13	TRANSISTOR 2SB731
Q308	8-729-288-02	TRANSISTOR 2SD880
Q309	8-729-612-77	TRANSISTOR 2SA1027R
Q310	8-729-801-22	TRANSISTOR 2SD1012
Q311	8-729-801-22	TRANSISTOR 2SD1012
Q312	8-729-103-43	TRANSISTOR 2SB134
Q313	8-729-663-47	TRANSISTOR 2SC1364
Q314	8-729-663-47	TRANSISTOR 2SC1364
Q315	8-729-663-47	TRANSISTOR 2SC1364
Q316	8-729-663-47	TRANSISTOR 2SC1364
Q317	8-729-180-93	TRANSISTOR 2SD809
Q318	8-729-880-82	TRANSISTOR 2SB808
Q319	8-729-880-82	TRANSISTOR 2SB808
Q320	8-729-801-22	TRANSISTOR 2SD1012
Q321	8-729-801-22	TRANSISTOR 2SD1012
Q322	8-729-100-13	TRANSISTOR 2SC2001

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q323	8-729-663-47	TRANSISTOR 2SC1364
Q324	8-729-612-77	TRANSISTOR 2SA1027R
Q325	8-729-663-47	TRANSISTOR 2SC1364
Q803	8-729-101-02	TRANSISTOR PH102
RV101	1-226-238-00	RES, ADJ, CARBON 50K
RV201	1-226-238-00	RES, ADJ, CARBON 50K
RV301	1-226-235-00	RES, ADJ, CARBON 5K
RV701	1-228-287-00	RES, VAR, CARBON 10K
RV801	1-228-286-00	RES, VAR, CARBON 10K/10K
S401	1-553-770-00	SWITCH, SLIDE
S402	1-553-771-00	SWITCH, KEY BOARD
S403	1-553-771-00	SWITCH, KEY BOARD
S404	1-553-771-00	SWITCH, KEY BOARD
S405	1-553-771-00	SWITCH, KEY BOARD
S406	1-553-771-00	SWITCH, KEY BOARD
S601	1-552-532-00	SWITCH, PUSH
S602	1-552-532-00	SWITCH, PUSH
S901	1-553-318-00	(AEP,UK,E).....SWITCH, PUSH (AC POWER)
S901	1-553-319-00	(US,Canadian)...SWITCH, PUSH (AC POWER)
T901	1-447-048-00	(US,Canadian)...TRANSFORMER, POWER
T901	1-0-593-241-00	(E).....TRANSFORMER, POWER
T901	1-0-593-242-00	(AEP,UK).....TRANSFORMER, POWER
TH301	1-800-202-XX	THERMISTOR S-10K
VS901	1-526-576-00	(E)...VOLTAGE SELECTOR

MYLAR CAPACITORS

RATING											
CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.
	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.		PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	-	-
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	-	-
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	-	-
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	-	-
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

TANTALUM CAPACITORS

RATING							
CAP. (μF)	3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.01					→	→	1-131-396-00
0.015					→	→	1-131-397-00
0.022					→	→	1-131-398-00
0.033					→	→	1-131-399-00
0.047					→	→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	1-131-409-00	1-131-405-00
0.47					→	→	1-131-406-00
0.68				1-131-415-00	→	1-131-410-00	1-131-407-00
1.0			1-131-418-00	→	1-131-413-00	→	1-131-408-00
1.5		1-131-421-00	→	1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00	→	1-131-419-00	→	1-131-414-00	1-131-355-00	1-131-349-00
3.3		1-131-422-00	→	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00	→	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8		1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00		
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00			
47	1-131-393-00	1-131-387-00	1-131-381-00				
68	1-131-394-00	1-131-388-00					
100	1-131-395-00						

TANTALUM CAPACITORS

RATING						
CAP. (μF)	3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22					1-131-262-00	1-131-278-00
0.33					1-131-263-00	1-131-279-00
0.47			1-131-169-00		1-131-264-00	1-131-280-00
0.68				1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00		1-131-266-00	1-131-282-00
1.5		1-131-250-00			1-131-267-00	1-131-283-00
2.2				1-131-259-00	1-131-268-00	1-131-284-00
3.3			1-131-255-00		1-131-269-00	
4.7		1-131-251-00	1-131-171-00		1-131-270-00	
6.8				1-131-260-00	1-131-271-00	
10			1-131-256-00		1-131-272-00	
15		1-131-252-00		1-131-261-00		
22			1-131-257-00			
33	1-131-176-00	1-131-253-00	1-131-173-00			
47	1-131-288-00	1-131-174-00				
100	1-131-177-00					

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μH

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTROLYTIC CAPACITORS

RATING → : Use the high voltage rated one.						
CAP. (μF)	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→	→	→	1-121-392-00	→	1-121-393-00
4.7	→	→	→	1-121-395-00	→	1-121-396-00
10	→	→	1-121-651-00	1-121-398-00	→	1-121-738-00
22	→	→	1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→	→	1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-417-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	→	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	→
3300	1-121-661-00	1-123-075-00	1-123-071-00	→	→	→

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
PART No.	PART No.	PART No.	PART No.	PART No.
0.47	→	→	→	→
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	→	1-123-028-00
3.3	1-121-995-00	→	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	→	→
47	1-123-251-00	1-121-919-00	→	→
100	1-123-084-00	→	→	→

CERAMIC CAPACITORS

RATING							
CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

CERAMIC (SEMICONDUCTOR) CAPACITORS

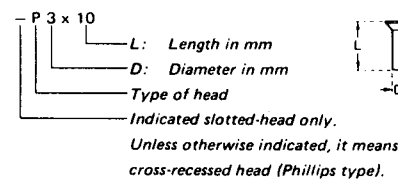
RATING → : Use the high voltage rated one.					
CAP. (μF)	25 VOLT.	50 VOLT.	CAP. (μF)	25 VOLT.	50 VOLT.
PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

1/4 WATT CARBON RESISTORS

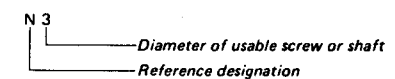
Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

HARDWARE NOMENCLATURE














Screw:



Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSP		pan-head screw with spring washer and flat washers	binding-head (B) screw and spring and flat washers for replacement
PSW		pan-head screw with spring washer and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	



# STEREO CASSETTE PLAYER

# TC-PB5

*AEP Model*

## SUPPLEMENT

No. 1  
December, 1981


**SUBJECT: Part Number Designation for AEP model.**

File this supplement with the service manual.

**1. Page 30.**

<u>No.</u>	<u>part No.</u>	<u>Description</u>
22	3-579-337-00	(AEP) . . . . . LABEL, SPECIFICATION

**2. Page 33.**

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
T901	 1-447-201-00	(AEP) . . . . . TRANSFORMER, POWER